ISSN 0966-0100

Plant Genetic Resources Abstracts

1993 Volume 2 Annual Indexes

Includes List of Source Journals

INTERNATIONAL
OGICAL INSTITUTE
LIBRARY
23 FEB 1994

CAB INTERNATIONAL
00076336

CAB ABSTRACTS

The World's Leading Agricultural Database

IBPGR

Published by
C·A·B INTERNATIONAL
in association with the
INTERNATIONAL BOARD FOR PLANT GENETIC RESOURCES

C·A·B INTERNATIONAL INFORMATION SERVICES
Wallingford, Oxon OX10 8DE, UK
Telephone: Wallingford (0491) 32111
Telex: 847964 (COMAGG G) Fax: (0491) 33508
Telecom Gold/International Dialcom: 84: CAU001

Plant Genetic Resources Abstracts

A quarterly journal compiled from the CAB ABSTRACTS database
Produced by the CAB INTERNATIONAL DIVISION OF CROP PROTECTION AND GENETICS
and published in association with the
International Board for Plant Genetic Resources

The International Board for Plant Genetic Resources (IBPGR) is an autonomous, international scientific organization whose mandate is to advance the conservation and use of plant genetic resources for the benefit of present and future generations. The mission of IBPGR is to encourage, support and engage in activities to strengthen the conservation and use of plant genetic resources worldwide, with special emphasis on the needs of developing countries. IBPGR works in partnership with other organizations and undertakes research and training, and provides scientific and technical advice and information.

IBPGR is one of the non-profit international agricultural research and training centres supported by the Consultative Group on International Agricultural Research (CGIAR). The CGIAR is sponsored by the Food and Agriculture Organization (FAO) of the United Nations, the International Bank for Reconstruction and Development (World Bank), and the United Nations Development Programme (UNDP). The CGIAR consists of 50 donor countries, regional representatives, international and regional organizations, and private foundations.

In 1992 or 1993, IBPGR will become the International Plant Genetic Resources Institute (IPGRI), a fully independent centre of the CGIAR. IBPGR works in close cooperation with FAO, its host organization; the independent IPGRI will maintain strong programmatic links with FAO.

Editor
K.A. Binks BSc, MSc

Head of Division
P.R. Scott MA, PhD

Head of Department of Plant Breeding & Genetics
S.L.A. Hobbs MA, DPhil

Head of Department of Crop Protection
G.A. Viney BSc, MSc

Scientific Information Officers

Plant Breeding
K.A. Binks BSc, MSc
B.F. Cooper MA, PhD
H.J. Dawson BSc, MSc, PhD
P.J. Dodd BSc
J.E. Loder BSc, MSc
D.G. Massey BSc
A.M. Praciak BSc
Biotechnology
N.D. Davies BSc, PhD
D.J. Hemming BSc, PhD
D.G. Massey BSc
Plant Pathology
I.J. Brown BSc, MSc
J.A. Brunt BSc, MSc
L.M.F. Charles BSc
P.A. Farnell BSc
L.A. Martyniuk MA, MIL
Entomology
E.D.L. Brooks BAgr, PhD
S.C. Brown BA
D.S. Buckley BSc, PhD
B. Burger BSc
L.M. Ridout BA, PhD
S.F. Siddiqi BSc
L. Thorn BSc
Nematology
E.D.L. Brooks BAgr, PhD
S.F. Siddiqi BSc
Weed Science
I.L. Andrews BSc, PhD
N.D. Davies BSc, PhD
J.L. Mayall

For details of the whole range of CAB International publications and services see back cover.

Orders and enquiries concerning current subscriptions and back numbers of this or any other CABI journal should be sent to the Distribution Manager, Marketing & Distribution Services Division at the above address.

Disclaimer
The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

CAB International does not accept responsibility for any trade advertisement included in this publication.

Plant Genetic Resources Abstracts

INTERNATIONAL
MYCOLOGICAL INSTITUTE
LIBRARY
23 FEB 1994

Volume 2

Prepared by

CAB INTERNATIONAL
DIVISION OF CROP PROTECTION AND GENETICS

1993

ISSN 0966-0100

©CAB INTERNATIONAL, 1994

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without the prior permission of the copyright owner.

published by

CAB INTERNATIONAL
Wallingford
Oxon OX10 8DE UK

The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

printed by

Cambrian Printers, Aberystwyth

CAB INTERNATIONAL
DIVISION OF CROP PROTECTION AND GENETICS
WALLINGFORD, OXON OX10 8DE, UK

STAFF LIST

Head of Division
Peter R. Scott MA, PhD

Head of Department of Plant Breeding and Genetics
S.L.A. Hobbs MA, DPhil

Head of Department of Crop Protection
G.A. Viney BSc, MSc

Editor of Plant Genetic Resources Abstracts
K.A. Binks BSc, MSc

Scientific Information Officers

Plant Breeding
K.A. Binks BSc, MSc
B.F. Cooper MA, PhD
H.J. Dawson BSc, MSc, PhD
K.H. Lipp–Nissinen BSc, MSc, PhD
J.E. Loder BSc, MSc
D.G. Massey BSc
D.E. Mitchell BSc, MSc
A.M. Praciak BSc

Biotechnology
I.J. Brown BSc, MSc
D.J. Hemming BSc, PhD
D.G. Massey BSc

Plant Pathology
I.J. Brown BSc, MSc
J.A. Brunt BSc, MSc
L.M.F. Charles BSc
P.A. Farnell BSc
L.A. Martyniuk MA, MIL

Entomology
E.D.L. Brooks BAgr, PhD
S.C. Brown BA
D.S. Buckley BSc, PhD
B. Burger BSc
L.M. Ridout BA, PhD
S.F. Siddiqi BSc
L. Thorn BSc

Nematology
E.D.L. Brooks BAgr, PhD
S.F. Siddiqi BSc

Weed Science
I.L. Andrews BSc, PhD
J.L. Mayall
A. Sunley BSc
A.M. Yates BSc

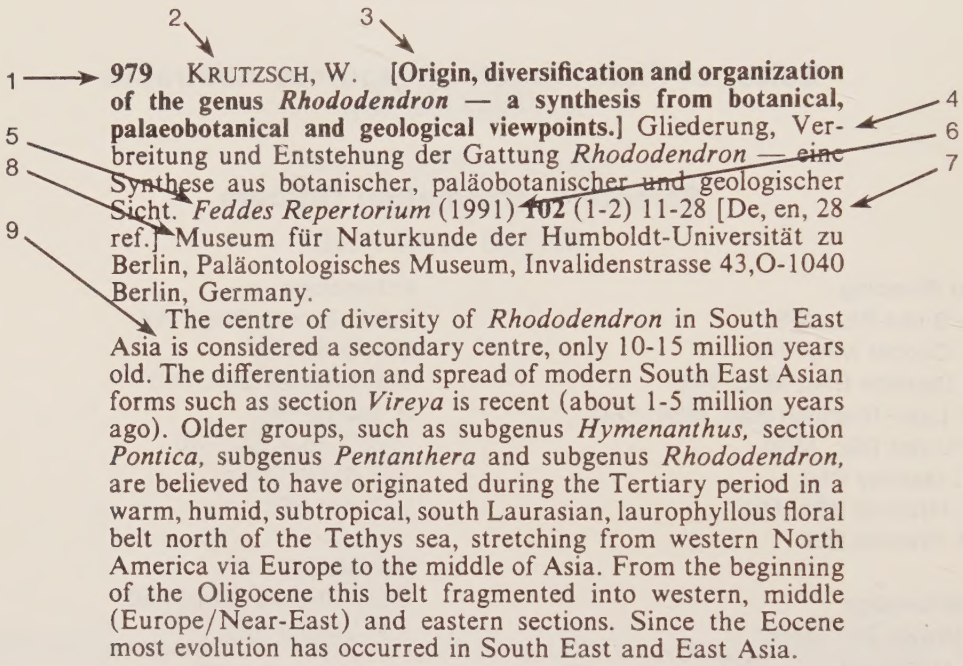
This journal is available at a special rate to subscribers in countries which make a financial contribution to CAB International. Orders and enquiries concerning subscriptions and back numbers should be sent to: The Distribution Manager, Marketing and Distribution Services Division, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK.

The Department of Plant Breeding and Genetics also prepares: *AgBiotech News and Information, Maize Abstracts, Plant Breeding Abstracts, Plant Growth Regulator Abstracts* and *Wheat, Barley and Triticale Abstracts*.

READERS' GUIDE TO ABSTRACTS

The layout of an abstract is indicated below:

1 Abstract number
2 Author
3 Title in English
4 Original title if in a Roman script language
5 Name of journal or other document
6 Year of publication, volume, part number and pagination
7 Language of text and, in lower case, language(s) of summaries, followed by other bibliographic details
8 Address of first author
9 Abstract



979 KRUTZSCH, W. **[Origin, diversification and organization of the genus *Rhododendron* — a synthesis from botanical, palaeobotanical and geological viewpoints.]** Gliederung, Verbreitung und Entstehung der Gattung *Rhododendron* — eine Synthese aus botanischer, paläobotanischer und geologischer Sicht. *Feddes Repertorium* (1991) **102** (1-2) 11-28 [De, en, 28 ref.] Museum für Naturkunde der Humboldt-Universität zu Berlin, Paläontologisches Museum, Invalidenstrasse 43,O-1040 Berlin, Germany.

The centre of diversity of *Rhododendron* in South East Asia is considered a secondary centre, only 10-15 million years old. The differentiation and spread of modern South East Asian forms such as section *Vireya* is recent (about 1-5 million years ago). Older groups, such as subgenus *Hymenanthus,* section *Pontica,* subgenus *Pentanthera* and subgenus *Rhododendron,* are believed to have originated during the Tertiary period in a warm, humid, subtropical, south Laurasian, laurophyllous floral belt north of the Tethys sea, stretching from western North America via Europe to the middle of Asia. From the beginning of the Oligocene this belt fragmented into western, middle (Europe/Near-East) and eastern sections. Since the Eocene most evolution has occurred in South East and East Asia.

The title is treated as an integral part of the abstract.

For non-serial publications such as books, transliterated titles are given for languages in Cyrillic or Greek scripts.

Editorial additions within abstracts appear in square brackets e.g. for preferred Latin names of organisms.

Where an item is not abstracted from the original document but from a secondary source, this is indicated after the author's affiliation.

The author and subject indexes for the four quarterly parts are cumulated to provide annual indexes. Terms used in the indexes are taken from the CAB Thesaurus, 1990 edition.

TO OBTAIN A PHOTOCOPY of an abstracted paper, use the CAB International Document Delivery Service. A form is printed in this issue.

LANGUAGE SYMBOLS

The language symbols used are listed below. An initial letter denotes the main language of a paper, a small letter the language of the summary

Af Afrikaans
Al Albanian
Ar Arabic
Az Azerbaijan(i)/ Azerbaidzhani/ Azebaidzhanian
Be Belorussian
Bg Bulgarian
Ch Chinese
Cs Czech
Da Danish
De German
Ee Estonian
En English
Eo Esperanto
Es Spanish
Fi Finnish
Fr French
Gr Greek
He Hebrew
Hi Hindi
Hu Hungarian
In Indonesian
Is Icelandic
It Italian
Ja Japanese
Ko Korean
La Latin
Li Lithuanian
Lv Latvian
Ma Macedonian
My Malay/Bahasa Malaysia
Nl Dutch, Flemish
No Norwegian
Pe Persian
Pl Polish
Pt Portuguese
Ro Romanian
Ru Russian
Sh Serbo–Croat
Sk Slovak
Sn Slovenian
Sv Swedish
Ta Tajik/Tadzhik
Th Thai
Tr Turkish
Uk Ukrainian

C·A·B INTERNATIONAL

Countries entitled to Member Country Rate

Residents in the countries listed below are entitled to special rates for some CABI information products

For further information contact Marketing & Distribution Services, C·A·B International, Wallingford, Oxon OX10 8DE, UK.

Anguilla
Australia
Bahamas
Bangladesh
Belize
Bermuda
Botswana
British Virgin Islands
Brunei
Canada
Cayman Islands
Cyprus
Falkland Islands
Fiji
The Gambia
Ghana
Guyana
Hong Kong
Hungary
India
Jamaica
Kenya
Malawi
Malaysia
Mauritius
Montserrat
New Zealand
Nigeria
Pakistan
Papua New Guinea
Sierra Leone
Solomon Islands
Sri Lanka
St Helena
Tanzania
Trinidad & Tobago
Uganda
United Kingdom
Vietnam
Zambia
Zimbabwe

Plant Genetic Resources Abstracts

Contents Volume 2

Genetic Resources, general	17	109	195	285
Conservation strategies for agricultural crops and forestry	18	112	196	287
Policy, planning and legal aspects	19	115	200	292
Taxonomy, evolution and origin of crops	20	116	202	294
Taxonomy and distribution of species	21	117	203	296
Evolution of crops	30	131	215	310
Genetic diversity	31	134	217	312
Population diversity and dynamics	31	135	218	313
Reproductive biology	34	137	222	317
Germplasm collecting	36	139	223	319
In situ conservation	37	142	224	321
Wild species and plant communities	38	142	224	322
Ethnobotany and socioeconomics	44	145	228	325
Seed conservation	46	147	232	328
***In vitro* conservation**	54	151	234	334
Biotechnology	69	157	239	338
Gene banks and their management	76	162	248	345
Germplasm documentation	77	164	251	347
Networks, information transfer and training	89	181	268	365
Germplasm enhancement and use	90	181	271	365
Plant health, quarantine and safe movement of germplasm	102	189	279	373
Reports	103	192	280	373
Conferences	104	192	281	373
Books	105	193	281	375
AUTHOR INDEX	379			
SUBJECT INDEX	397			
List of source journals	i			

REVIEW ARTICLES

VOLUME 2

Convention on Biological Diversity
United Nations Conference on the Environment and Development 1

AUTHOR INDEX

Aamlid, T. S. 2636, 2804-2805
Abbas, A. I. 767
Abbas, J. A. 236
Abbiw, D. K. 1082
Abbott, R. J. 988, 1746, 2497
Abd Alla, S. A. 2356
Abd-El-Moneim, A. M. 1273, 2925
Abdalla, O. 1397
Abdelguerfi, A. 69
Abdelguerfi-Berrekia, R. 69
Abdelnour-Esquivel, A. 371, 1144
Abdul Ghafoor 1838
Abdul-Kader, A. M. 1142
Abdulla Sailan 763
Abdullah, W. D. 1107
Abdulnasser Gifri 2343
Abe, J. 149, 547, 2106
Abe, T. 364, 1135
Abha Agnihotri 679
Abrol, Y. P. 521
Abu-Abied, M. 682
Abu-Al-Futuh, I. M. 2098
Acevedo, E. 1250
Acharya, S. N. 1275, 2658
Açikgöz, E. 2045
Açıkgöz, M. 639
Acosta, F. J. 1065
Adachi, T. 1434
Adams, M. W. 462
Adams, R. P. 473, 1656
Adams, W. T. 2975
Adamski, T. 649
Adelaja, B. A. 20
Adelberg, J. 428
Adema, F. 1634
Adenan Jaafar 255
Aderkas, P. von 408
Adetunji, I. A. 311
Adham, Y. J. 504
Adler, È. N. 913
Afza, R. 472
Afzal-Rafii, Z. 2395
Agafonov, A. V. 813
Agafonova, O. V. 813
Agarwal, A. 2268
Agbaje, E. O. 602
Ager, A. 1185
Agnihotri, A. 679
Agra, M. de F. 872
Agrawal, A. K. 2594
Agrawal, D. C. 440
Agrawal, P. K. 258
Aguilar, R. 1847
Aguinagalde, I. 1592
Aguirre, T. 2836
Agullo, M. A. 1016
Ahmad, I. 2843
Ahmed, S. 2162
Ahmed, W. S. 606
Ahuja, A. 485
Ahuja, M. R. 2727
Aiazzi, M. T. 2634
Aiken, S. G. 833
Ainsworth, A. M. 2972
Aitken-Christie, J. 324
Aken'Ova, M. E. 2349
Åkerberg, E. 1415
Akhtar, M. S. 2130
Akiyama, S. 931
Akpa, A. D. 318
Al-Khayri, J. M. 362
Al-Masri, H. H. 579
Al-Rays, M. A. 579, 582
Al-Sabahi, A. M. A. 2623
Alakhverdov, I. K. 2817
Albarus, M. H. 1759
Alberdi, M. 10
Albers, F. 932-933, 1377, 2469
Albert, V. A. 1693
Albores, M. 1847
Alcantara, A. 1971
Alcantara, R. L. 269
Aldrich, P. R. 1920, 2016
Aldridge, C. D. 1851
Alemayehu Mengistu 757
Alessandrini, A. 2482
Alexander, M. P. 374
Alexanian, S. M. 1959
Alfaro, A. 577
Alfyorova, Z. 503
Ali, N. 302, 369
Alibert, G. 1863
Alika, J. E. 2349
Alla, S. A. A. 2356
Allan, R. E. 623
Allard, R. W. 456
Allegretti, M. H. 795
Allem, A. C. 769
Allen, D. E. 867
Allen, G. A. 163
Allen, R. B. 21
Allendorf, F. W. 785
Alliprandini, L. F. 2639
Allison, A. 2970
Allot, M. 2186
Almeda, F. 2411
Almeida, C. F. G. de 14
Almeida, C. M. V. C. de 14
Alonzo, A. 251
Alosi, M. C. 2727
Alpert, P. 2267
Altena, H. J. 221
Altieri, M. 1544
Altieri, M. A. 1522
Altman, A. 360
Aluri, R. J. S. 1765
Alvarez, J. B. 615
Alverson, W. S. 1629
Alves, R. J. V. 915
Alves Neto, F. 2204
Amade, P. 1836
Amalraj, V. A. 1040
Amanor, K. 779
Amante-Bordeos, A. D. 2167
Amariei, D. 1172, 2741
Amaya, L. 2096
Ambasht, N. K. 2268
Ambasht, R. S. 2268
Ambrose, M. J. 497
Amer, A. M. 733
American Orchid Society Bulletin 1688
Aminah Manap 610
Amir Husni, M. S. 2595
Ammer, U. 2298, 2571
Amor Prato, D. 2377
Amritphale, D. 323
Amurrio, J. M. 1745, 2827
Anable, M. E. 234
Anamthawat-Jónsson, K. 449
Ananthanarayana, R. 2631
Anathbandhu Das 603
Andel, J. van 147
Anderson, A. B. 423, 2612
Anderson, F. 15
Anderson, G. J. 1015
Anderson, J. B. 2743
Anderson, M. 2749-2750
Anderson, M. J. 1927
Anderson, P. 2236, 2238
Anderson, R. S. 962
Anderson, W. R. 1642
Andersson, L. 935
Ando, T. 1689
Andrade, E. B. de 1044, 1223
Andrade, N. 10, 2182
Andrés Contreras, M. 1003
Andrew, M. H. 243
Andrews, D. J. 2017
Andrews, S. 1665
Andreyashkina, N. I. 229
Andrīyenko, T. L. 213
Andryushchenko, V. K. 1433
Andrzejewska-Golec, E. 2475
Añez, J. 2615
Angel, F. 1936
Angeloni, P. N. 350
Angiolino, C. 2344
Anil Agarwal 2268
Anil Grover 1573
Anilkumar, T. B. 1301, 1304
Anīshchenko, Ī. M. 1755
Anishchenko, I. N. 1222
Anishetty, N. M. 755
Anjani Kumar 1175
Annapurna, A. 340
Annicchiarico, P. 177, 511, 2774, 2782
Anokhina, V. S. 1132
Ansari, A. K. 562
Antlfinger, A. E. 1019
Anwar, R. 761
Anwar, S. A. 713
Aoki, C. 1373
Aparicio, A. 1565
Apitz-Castro, R. 2836
Appanah, S. 2595
Appels, R. 1396, 1913, 1924, 1950-1951, 2910
Applegate, G. B. 2207
Aquino, R. 1833
Aradhya, K. M. 2834
Aradhya, M. K. 1382
Aragona, M. 1455
Arai, M. 2390
Arai, S. 2084
Arama, P. F. 2778
Araus, J. L. 2485
Arbault, S. 1902, 2701
Arbez, M. 39
Arce, P. 1080, 1757
Archambault, J. 487, 1952
Archbold, D. D. 2093
Arcioni, S. 665, 1867, 2172
Arditti, J. 2994
Areces-Mallea, A. E. 1620, 1644
Arenas Posada, J. A. 2477
Argüello, J. A. 2634
Argus, G. W. 960
Argyres, A. Z. 1756
Arias, D. I. 1120
Arias, D. M. 153
Arief, R. 275
Arisumi, K. 2208
Ariyanayagam, R. P. 672
Arkhangel'skiĭ, D. B. 877
Armstrong, K. 1916
Armstrong, K. C. 1710
Arnaud-Santana, E. 557
Arnold, S. von 324
Aronson, J. 144, 2801
Arora, R. K. 758, 2251, 2259
Arraudeau, M. 532
Arrillaga, I. 402, 1856
Artyushenko, Z. T. 2453
Arumugam, R. 294, 1362
Arumuganathan, K. 2381
Arvind Shukla 561
Arya, V. 259
Asao, H. 2084
Asay, K. H. 660, 974
Ascensão, L. 2877
Ascher, P. D. 1761
Asghar, M. 2022
Asheim, H. 1747
Ashma Malhotra 259
Ashok Sharma 2900
Ashton, P. A. 988, 1746
Ashton, P. S. 1749
Ashurmetov, A. A. 2340
Asian Vegetable Research and Development Center 1771, 2063
Asiedu, R. 2930, 2967
Asins, M. J. 2079, 2842, 2944
Askerov, A. M. 847
Aslam, M. 2843
Aspinwall, N. 995
Assy-Bah, B. 1882
Ast, A. van 1119
Astley, D. 17, 1552, 2145
Astorga, R. 1157
Ataga, A. E. 1473
Atangs, P. A. 318
Atlagić, J. 694
Atlin, G. 2213
Aucamp, A. J. 202
Auld, T. D. 1104
Aung, K. 179
Austin, D. F. 936, 2562
Australia, CSIRO Division of Plant Industry 1986
Australia, NSW Agriculture 1418-1419
Aver'yanov, L. V. 987
Avetisov, V. A. 2719
Avioli, L. V. 2111
Awadhiya, G. K. 1472
Awasthi, A. K. 1842
Axelrod, D. I. 2337
Ayele Badebo 2777
Ayiecho, P. O. 2075
Aymard C., G. 1705
Ayobangira, F. X. 2473
Ayres, J. F. 8
Azad, A. K. 516
Azbukina, N. 601
Azevedo, C. 1447
Azzaro, M. 2878
Baas, P. 2334
Baazara'a, M. 1033
Babai, M. 2002
Baboev, S. K. 518
Babu, K. N. 441
Bachmann, K. 1009, 1205
Backer, A. P. 1780
Bade, J. 2939
Badea, E. M. 663
Badebo, A. 2777
Baden, C. 2364
Bagga, P. S. 2784
Baharuddin Sulaiman 255
Bai, D. 2156
Bai, K. V. 2908, 2930
Baier, J. W. 1923
Baijnath, H. 1014
Baĭkov, K. S. 1682
Bailey, J. P. 1277
Bailey, L. G. 454, 826
Bains, S. S. 637
Baird, E. 464
Baker, C. A. 508, 2780
Baker, H. G. 1727
Bakhareva, S. N. 1026
Bakker, M. E. 88
Baladrón, J. J. 174, 2073
Balakrishnan, V. 2284
Balašev, L. 199
Balashova, N. N. 1139
Balasubramaniam, S. 1779
Balasubramanya, R. H. 595
Balasubramanyan, K. 2268
Balatero, C. H. 2921
Balátová-Tuláčková, E. 1801
Baldauf, F. 453
Baldini, M. 312
Balebereho, S. 2617
Balendira, S. 1778, 2556
Balfourier, F. 1276, 2806
Balick, M. 1618
Balis, C. 609
Ball, S. 1450
Ballabh, V. 2324
Ballero, M. 2344
Ballester, A. 1158
Ballesteros, J. 615, 2150
Ballington, J. R. 1039
Balslev, H. 1795, 2615
Baltensperger, D. D. 345-346
Band, S. R. 2626
Bandyopadhyay, J. 793
Banks, P. 1396
Banks, P. M. 625

Banner, R. E. 227
Bansal, Y. K. 1133
Bao, C. Z. 1274
Bao, H. 1651
Bapat, D. R. 2630
Bapat, V. A. 486
Barakat, M. N. 397
Barančok, P. 1165
Barat, G. K. 347
Barba, M. 1451, 1459
Barbakar, N. I. 681
Barber, C. V. 2279
Barbier, E. B. 1484
Barbosa, W. 1878
Barchia, I. 203
Barfod, A. 1048
Bargali, S. S. 2597
Bariar, A. K. 126
Barker, K. R. 585, 1328
Barker, N. P. 60
Barker, P. C. J. 158
Barkworth, M. E. 2360
Barlow, B. A. 2401
Barman, T. S. 315
Barnard, J. 2501
Barneby, R. C. 1495, 1624
Barnhart, D. 824
Barni, N. C. 966
Barone, A. 674-675
Barreto, A. 1582
Barrett, J. W. 1949
Barrett, S. C. H. 1734
Barria, B. N. 1234, 2788
Barriga, J. P. 14
Barriga B., P. 2152
Barrios, M. 2861
Barroso, J. G. 2877
Bartha, D. 206
Barthe, P. 1156
Barthelemy, J. P. 1295
Barton, J. 802
Barton, J. H. 1551
Başaran, D. 387
Baset, A. 1864
Basha, F. 461
Basha, S. C. 2268
Baskin, C. C. 273, 2660
Baskin, J. M. 2660
Basnet, K. 797
Bassil, N. 2674
Basso, F. 545
Bassüner, B. 417
Bastien, J. C. 774
Basu, S. K. 1494
Bates, A. H. 2822
Batis, A. I. 2608
Batista, L. A. 2639
Batts, L. A. 2933
Baudoin, J. P. 1295-1296
Baudouin, L. 2523
Baum, B. R. 65, 454, 826, 1913, 1924, 1950
Baum, M. 2910
Baumann, M. 1548
Baumgartner, H. 586
Bausher, M. G. 1438
Bauwe, H. 417
Bawa, K. S. 1749
Baylin, E. M. 269
Bazzi, C. 1452
Beale, P. E. 67-68
Beaver, J. S. 1294
Becerra, R. 2608
Bechere, E. 1397
Beck, D. L. 654, 2791-2792
Beck, M. S. 1122
Beck, S. 2557
Beckett, J. B. 2158
Bedford, S. E. 193
Beehler, B. 2970
Beer, S. C. 1918
Beese, K. 1524
Beetham, P. 1469
Beevy, S. S. 37
Behl, R. K. 2629
Beiles, A. 505, 513, 2509, 2773
Bejiga, G. 1298
Bekchanov, B. 1269, 2032
Bekebain, D. A. 2086
Bekele, G. 627
Bekuzarova, S. A. 2817
Belarmino, M. M. 1135
Belay, G. 2777
Belcher, B. 2319
Belcher, J. W. 1803
Bell, J. C. 1951
Belletti, A. 597
Belletti, P. 1118
Bellon, M. R. 1533
Belsky, A. J. 1785
Benedettelli, S. 1738-1739
Beniwal, B. S. 2425
Benko-Iseppon, A. M. 2439
Bennet, S. S. R. 2478
Bennett, B. C. 2602
Bennett, K. D. 982
Bennett, M. D. 494, 975
Bennett, S. T. 138, 900, 975
Bennett-Lartey, S. O. 260
Bennington, C. C. 2514-2516
Benscher, D. 1321
Bentivenga, S. P. 201
Bentur, J. S. 535
Benvenuti, A. 312
Bera, T. K. 2696
Bercetche, J. 1160
Berendse, F. 221
Berenji, J. 1258
Berg, C. 2895
Berg, C. G. J. van den 1345
Berg, R. G. van den 1587-1588
Berg, T. 444, 868, 1817
Berger, R. 2127
Berger, S. 2173
Berhanu Abegaz 2443
Beridze, R. K. 2549
Berjak, P. 319-320, 1855
Berkes, F. 2272
Berkowitz, G. A. 512
Bernal, C. 2405
Bernal, R. G. 1616, 2615
Bernardi, J. 2761
Bernatzky, R. 2721
Berrío, L. E. 146
Berthaud, J. 2264
Bertović, S. 2578
Bertrand, A. 432
Bertrand-Desbrunais, A. 1152
Bervillé, A. 475, 1201-1202, 1562
Bessembinder, J. J. E. 1874
Bessière, J. M. 2129
Bethune, T. D. 2684
Bettencourt, E. 2136
Beuselinck, P. R. 495
Beversdorf, W. D. 384, 1148
Bevis, E. 2202
Bezuidenhout, H. 52
Bezvenyuk, Z. A. 262
Bhag Mal 758
Bhagat, N. R. 2104
Bhagirath, T. 1323
Bhagwat, M. D. 1405
Bhalodia, P. K. 2104
Bhambhani, R. 1916
Bhandari, M. M. 2599
Bhandari, R. S. 2990
Bharat Singh 323
Bharathi, M. 340
Bharathie, K. P. 2299
Bhaskar, V. 1775
Bhat, R. B. 108
Bhat, R. N. 2121
Bhattarai, N. K. 1840
Bhupesh Mangla 2196
Bianchini, J. P. 2878
Bickelmann, U. 2534
Bidgood, S. 1643
Bidinger, F. R. 659
Bie, S. W. 444, 1807
Biesboer, D. D. 1002
Bigot, C. 412
Bigwood, D. 1983
Bijlsma, R. 147, 1723, 2532
Bijman, J. 2708
Biju, S. D. 1605
Bik, L. 2587
Bilderback, D. E. 1161
Binding, H. 1153
Bindroo, B. B. 571
Bingefors, S. 1415
Binggeli, P. 2304
Biotechnology and Development Monitor 2667
Bir, S. S. 1383
Birouk, A. 1034
Bishnoi, S. 2640
Bishop, R. C. 2272
Bisset, N. G. 2621
Biswas, A. K. 2228
Biswas, S. 2266, 2416
Black, C. C., Jr. 2078
Blackhall, N. W. 2825
Blair, G. J. 2040
Blaise, S. 35
Blake, G. M. 1161
Blakeway, F. 390
Blanca, G. 1673
Blanchon, C. 1173
Blank, R. 286
Blaschek, W. 482
Blažková, D. 218-219
Bleakley, S. 2399
Blixt, S. 1963
Blum, A. 657
Blumberg, B. S. 1832, 2893
Boaventura, Y. M. S. 1878
Bocholt, A. S. 1798
Bock, T. S. M. de 2199
Bodiguel, M. 1480
Boerhannoedin, H. A. 2556
Boerma, H. R. 1390
Bogachkov, V. I. 1254
Bogatek, R. 304
Bogdanova, E. D. 1395
Bogden, R. 461
Bogh, S. V. 1861
Bohm, L. 10
Bohorova, N. E. 385
Boltivets, V. S. 1222
Bommer, D. F. R. 2134
Bonafede, F. 2482
Bond, W. J. 2568
Bondarenko, A. M. 1126
Bondarenko, O. V. 1395
Bonnel, E. 1934
Bononi, V. L. R. 709
Boonman, J. G. 2261
Booth, D. T. 291
Bopaiah, M. G. 592
Borelli, F. P. 433
Borgonovo, M. 996
Borisjuk, L. 1935
Borisjuk, N. 1935
Borod'ko, A. V. 1128
Borrill, M. 814
Borty, M. K. C. 1112
Bos, M. 2740
Bosch, O. J. H. 52, 216, 233
Botanic Gardens Micropropagation News 330, 1862
Bothmer, R. von 6-7, 47, 524, 1181, 1408, 1572, 1917, 2033, 2361
Boubaker, M. 1246
Boucher, C. 2589
Boucher, J. F. 2659, 2662
Boudouresque, E. 2422
Boudry, P. 1947
Boufford, D. E. 1663
Bouguennec, A. 2141
Bounaga, N. 69
Bounejmate, M. 67-68, 543, 760
Bourbouze, A. 1089
Bourdôt, G. W. 1103
Bourdy, G. 1836, 2620
Bourgeais-Chaillou, P. 1982
Bourgin, J. P. 2942
Bourreil, P. J. L. 62
Bousquet, J. 2493
Boutland, A. 2207
Bowes, B. G. 2690
Bowles, M. 1027
Bowman, D. M. J. S. 1534
Boya-Meboka, M. 2539
Boyle, T. J. B. 792
Boynton, W. R. 2272
Boza, M. A. 2273
Bozhkov, P. V. 406
Brack, A. 2608
Bradford, K. J. 1100
Bragg, T. B. 1804
Brako, L. 2451
Bramel-Cox, P. J. 2017
Brand, M. H. 401
Brandão, M. G. L. 1837, 2889
Brandenberger, L. P. 2839
Brandham, P. E. 881
Brandon, D. L. 2822
Brandon, K. E. 2272
Brar, J. S. 671
Braun, K. P. 775
Bredenkamp, G. J. 52, 1063, 1787-1788, 1794
Bregin, C. L. 1664
Bregitzer, P. 646
Breitenbach-Dorfer, M. 1006
Bremer, B. 1719
Brendel, C. 1378
Brenner, C. 742, 1910
Breteler, F. J. 1070
Bretó, M. P. 2079, 2842, 2944
Brettell, R. I. S. 1396
Bretting, P. 2747
Breytenbach, P. J. J. 1788
Bridges, W. C., Jr. 1109
Bridson, D. M. 1636
Briggs, J. D. 1737
Briggs, K. G. 2776
Brigneti, G. 2065
Brisa, M. C. 1208
Brochmann, C. 819, 1678, 2544
Brødsgaard, B. 2518
Bromley, D. W. 1806
Bronson, M. R. 403
Brooker, M. I. H. 883, 885
Brookes, B. 1711
Brothers, T. S. 1073
Browicz, K. 865
Brown, A. C. 193
Brown, A. H. D. 1737
Brown, C. 1185
Brown, E. A. 2435
Brown, G. G. 1493
Brown, K. S., Jr. 1493
Brown, L. R. 806
Brown, M. J. 159
Brown, P. 691
Brown, P. M. 949
Brown, S. 1895, 2272
Brown, W. L. 137
Browning, H. W. 594
Broyles, S. B. 2524
Brückner, P. 2338
Brullo, S. 857-858
Brummitt, R. K. 2432
Bruneau, A. 2716
Brunsfeld, S. J. 140
Brush, S. B. 1533, 1556, 2502
Bruyn, M. H. de 2689
Bruyns, P. 2466
Bryan, H. H. 2896
Bryan, J. 1869
Buchanan, C. B. 1914
Bucher, M. A. 1007
Buchy, M. 2990
Buczek, M. 1899
Budantsev, A. L. 925, 2450
Budding, D. J. 2832
Bueno, M. A. 1157
Bugante, E. C. 2738
Bui, P. T. 2203
Bui Chi Buu 2556
Buirchell, B. 2558
Buitelaar, R. M. 483
Buitrón, F. 1869
Bukasov, S. M. 467, 2241
Buliska-Radomska, Z. 2139
Bullitta, S. 1712
Bulman, P. 2207
Bulman, P. A. 2207
Bult, C. J. 1744
Bunn, E. 1162
Burd, J. D. 508
Burda, S. 2369
Burenin, V. I. 2263
Burger, W. 1567
Burgess, J. C. 2272
Burgess, N. D. 2391
Burk, C. J. 2446
Burlison, J. P. 2295
Burmistrov, L. A. 1235
Burnquist, W. B. 1918
Burridge, J. A. 499

Burrows, J. E. 2901
Burson, B. L. 165
Burton, J. W. 2499-2500
Burton, R. L. 508
Burtt, B. L. 1669
Bushueva, V. I. 2926
Butler-Stoney, T. R. 652
Buttrick, S. C. 782
Buxó, R. 2485
Büyükburç, U. 2045
Cabalion, P. 1836
Cabido, M. 2581
Cáceres, A. 251, 1839
Cacho, M. 489
Cachon, H. 2137
Cadic, A. 1050
Caetano, V. R. 628
Cagiotti, M. R. 2519
Cai, H. F. 2987
Cai, L. H. 38
Cai, N. 1311
Cai, X 2128
Cai, X. J. 1259
Cairns, A. L. P. 2628
Calcino, D. 1977
Calder, J. A. 220
Calero Hidalgo, R. 2609
Caligari, P. D. S. 2170
Calis, I. 2475
Callaway, D. J. 2097
Callaway, M. B. 2097
Calvo, L. 1857
Camadro, E. L. 677, 1427, 2931
Cambie, R. C. 734
Cambon, A. 2878
Cambra, M. 2842
Cameron, D. F. 1928
Cameron, J. S. 1773, 2191
Camloh, M. 431
Campbell, B. M. 2617
Campbell, D. G. 1025
Campbell, D. R. 1008, 1024
Campbell, M. H. 2513
Campbell, M. T. 1664
Campo-Dall'Orto, F. A. 1878
Cantliffe, D. J. 299
Cao, J. 1989
Cao, L. P. 1240
Cao, R. C. 1965
Cao, X. J. 1261
Cao, Y. S. 1385
Cap, G. B. 2076, 2185
Capelari, M. 709
Capote, R. 1801
Cappadocia, M. 356, 1166
Capuana, M. 409
Caputo, P. 2732
Carbonell, E. A. 2079, 2842, 2944
Carcaño, A. D. 2796
Cárdenas, L. 891
Cardi, T. 1189
Cardona, T. D. 1462
Cardoso, M. 1564
Cardoso, V. J. M. 1854
Carey, E. E. 2936
Carey, K. 1004
Carlquist, S. 1628, 2421
Carlson, J. R. 2171
Carnevali, G. 945, 950, 2462
Carnovale, E. 565
Carpenter, C. 1074
Carpenter, W. J. 2659, 2662
Carrier, D. J. 487
Carrillo, N. M. de 2850
Carrizo, R. 1016
Carron, M. P. 1884
Carter, A. J. 1741
Carter, T. 178
Carter, T. E., Jr. 2499-2500
Carvalho, A. 2108
Carvalho, L. H. 2889
Carver, B. F. 506
Casado, M. A. 2588
Caseldine, C. J. 963
Casey, D. 4
Casquero, P. 1745
Castilhos, Z. C. 253
Castillo, G. 2607
Castillo, G. T. 1555
Castillo, R. F. del 1086
Castillo T., R. 183
Castiñeiras, L. 2329
Castle, S. 2845
Castley, M. 2207
Castro, C. E. F. de 433
Castroviejo, S. 892
Catling, P. M. 116, 1803
Cattaneo, P. 2112
Catty, J. 476
Cauderon, Y. 540, 662, 1416, 2914
Cauneau-Pigot, A. 1129, 2034
Cavalli-Molina, S. 1759
Cavé, A. 2890
Caviglia, A. M. 2728
Cavins, J. F. 548
Cayouette, J. 1709, 2253
Ceccarelli, S. 1504
Centro Internacional de Agricultura Tropical 719, 2165, 2221
Ceoloni, C. 642
Cernusca, A. 231
Cerović, S. 1344
Chabrillange, N. 1881
Chadja, H. 176
Chadoeuf, R. 1911
Chakrabarty, D. N. 1046
Chakrabarty, S. K. 1351
Chakraborty, M. K. 313, 1113
Chakroun, M. 1271
Chalmers, N. 1496
Chamberlain, D. F. 1590
Chamberlain, J. R. 2531
Chambers, H. L. 1981
Chamma, H. M. C. P. 1105
Chand, P. K. 2209
Chand, R. 1337
Chanda, S. 966
Chandak, N. 259
Chandel, G. 2030
Chandel, K. P. S. 316, 359, 377, 2707
Chandler, J. M. 816
Chandra, K. S. J. 1901
Chandra, R. 1870
Chandra, S. 2858
Chandrashekar, M. 1463
Chang, C. S. 911
Chang, R. 2826
Chang, R. Z. 1288
Chang, T. T. 1777, 1966, 1972, 1974, 2906
Chang, Y. J. 746, 1664
Chapa, J. 2953
Chapman, A. R. 889
Chaput, M. H. 2186
Charmet, G. 1276, 2806
Charrier, A. 1152, 1606, 2109, 2264, 2503, 2833
Chartier-Hollis, J. M. 2688
Chase, M. W. 1687, 1693
Chatelet, P. 1883
Chatterjee, M. 688-689
Chatterjee, S. R. 521
Chattopadhyay, D. 1331
Chaudhary, K. C. B. 1476
Chaudhary, R. C. 2556
Chaudhury, R. 316
Chauhan, J. M. S. 1886
Chauhan, J. S. 1266
Chauhan, V. S. 1266
Chauhan, W. V. A. 1020
Chauhan, Y. S. 546
Chaukiyal, S. P. 2347
Chauret, C. 1952
Chauret, N. 487
Chauvet, M. 1776
Chauvin, J. E. 2953
Chavan, A. M. 1405
Chaverra G., H. 803
Chávez, R. 1120
Chávez, V. 1891
Chávez, V. M. 400
Chavez, V. M. 399
Chee, P. P. 367
Cheek, M. 880
Cheema, P. 1383
Cheliak, W. M. 2683
Chen, C. 2958
Chen, C. C. 378
Chen, F. C. 418
Chen, G. P. 750
Chen, G. Z. 194
Chen, H. M. 1561
Chen, J. L. 384, 1148
Chen, L. 1330
Chen, L. B. 1239, 1306
Chen, L. Z. 1434
Chen, M. 2785
Chen, M. H. 378
Chen, P. G. 2095
Chen, Q. 1416, 2914
Chen, Q. K. 1563
Chen, R. D. 1940
Chen, R. X. 2870
Chen, R. Z. 2650
Chen, S. C. 1369
Chen, S. L. 57
Chen, S. P. 1965
Chen, S. Y. 1406
Chen, W. 2040
Chen, X. 1396
Chen, X. Y. 2870
Chen, Y. H. 2958
Chen, Y. Y. 1256
Chen, Z. 1302
Chen, Z. L. 2992
Chen, Z. Q. 529
Cheng, B. 1885
Cheng, H. Y. 295
Cheng, J. 2798
Cheng, J. M. 1743
Cheng, P. L. 1753
Cheng, W. T. 162
Cheng, Y. 1311
Cheng, Z. H. 2128
Cheng, Z. M. 1396
Cheng, Z. Y. 438
Chénieux, J. C. 488, 2686
Cheremushkina, V. A. 1717
Chermak, P. 1127
Chernodubov, A. N. 101
Cherrier, J. F. 1703
Chesick, E. E. 1161
Chessa, I. 588
Chester, E. W. 2660
Chevychelov, A. P. 1784
Chhabra, B. S. 2629
Chiang, F. 862
Chiapella, L. F. 921
Chibbar, R. 473
Chikono, C. 2873
Chit Maun 2891
Chitrakon, S. 2556
Chkhaidze, L. K. 1394
Cho, J. J. 1432
Choi, B. H. 2018, 2799
Choi, C. Y. 1209
Choinski, J. S., Jr. 2871, 2873
Chojnowski, R. 1899
Chokyu, S. 363
Chopra, V. L. 1347
Chorlton, K. H. 754
Chortyk, O. T. 2389
Chou, C. H. 1280
Chovelon, V. 680
Chow, Y. J. 1110
Chowdhury, S. 2461
Chrestin, H. 2894
Chriqui, D. 1895
Christensen, K. I. 888
Christenson, E. A. 118, 1694
Christian, T. 995
Christou, A. 2113
Christov, M. 695-696
Chu, C. B. 2658
Chu, E. P. 2069
Chua, N. H. 479
Chujoy, E. 2936
Chulafich, L. 1011
Chun, S. J. 411
Chung, D. H. 2003
Chung, G. S. 2164
Chung, G. Y. 112-113
Chung, G. Y 926
Chung, Y. H. 109, 920
Chupeau, Y. 2942
Chweya, J. D. 244
Ciaffi, M. 1238, 1738-1739
Ciampi, L. 10
Ciancio, O. 24
Cifarelli, S. 181, 1032
Ciocîrlan, V. 838
Cipywnyk, A. L. 520
Cisneros, P. 2502
Claassen, M. I. 2685
Claeson, P. 1614
Clark, A. G. 1908
Clark, C. 114
Clark, C. A. 570
Clark, L. G. 1702, 2368
Clark, M. S. 1187
Clark, R. L. 1092
Clarke, B. 1396
Claude-Lafontaine, A. 2878
Claussen, U. 477
Clay, J. 2609
Cleaver, K. 2978
Clement, S. L. 712
Clemente, L. 2591
Clifford, H. T. 1090
Clifford, M. N. 1606, 2109
Close, T. J. 1482
Clot, B. 1674
Coates, D. J. 160
Cobbinah, J. R. 2300
Coble, C. J. 548, 1219
Cocking, E. C. 1864, 2209
Cocklin, C. 2322
Cocks, P. S. 1273, 1791, 1852, 2488
Coe, E. 2010
Coertze, A. F. 1980
Coetzee, N. 1660
Cohen, D. 324
Cohn, M. A. 2632
Çolak, G. 387
Cole, C. T. 1002
Cole, R. J. 152
Coletti, B. 2887
Colijn-Hooymans, C. M. 685
Collins, M. T. 2691
Collins, N. M. 2293
Collins, S. L. 743, 1792, 2592
Collins G. B. 2173
Collinson, M. P. 240
Colon, L. T. 2832
Comstock, J. P. 2590
Conn, B. J. 2435
Consultative Group on International Agricultural Research 1499
Contreras, A. 2182
Contreras, J. L. 910
Contreras M., A. 10
Cool, L. G. 103
Coolbear, P. 293
Cooper, D. 1518-1523, 1532, 1548, 1814-1815, 1826, 1844, 1958, 2232, 2236, 2238
Cooper, R. C. 734
Copaja, S. V. 1234, 2788
Cope, T. A. 840, 1574
Copeland, R. 461
Copes, D. L. 2975
Corchete, M. P. 489
Coria Benet, R. 2577
Corke, H. 1482
Corneanu, G. C. 413
Corneanu, M. 413
Corral, R. 321
Correa A., M. D. 2616
Correal, E. 700
Correll, D. S. 467
Correll, J. C. 2839
Cortés, M. C. 677
Costa, A. 563
Costa, L. S. 1759
Costa Mota, M. G. da 1044, 1170, 1223
Costanza, R. 2272
Costello, C. E. 2389
Cota, J. 2337
Couillerot, J. P. 1137
Coulombe, P. 487
Coulson, J. R. 1481
Coumans, M. 2956
Coupland, R. T. 2243, 2989
Cowley, K. J. 2401
Cowling, R. M. 2568
Coyne, D. P. 557, 1294
Cozzolino, S. 2732
Crane, J. 1855

Crank, E. 2663
Crawford, D. J. 818
Cremer-Bach, M. 1282
Cremonini, R. 1990, 2052
Crespo, D. G. 764
Cresswell, C. F. 390
Cresta, P. 2397
Cribb, P. 1696, 2455, 2881
Croft, P. H. 2812
Croix, E. A. S. la 2245
Croix, I. F. la 2245
Croix, T. M. la 2245
Crompton, C. W. 2371
Cros, E. 1606, 2109
Cross, R. J. 1999
Crossa, J. 145, 654, 2747-2748, 2791-2792
Crozier, A. 1356
Crubaugh, L. 586
Cruz, C. D. 533, 1231, 2068
Cruz, C. M. V. 536
Csanádi, G. 678
Csűrös, Ş. 204
Cuatrecasas, J. 1648
Cubillos, A. 1906
Cuevas-Pérez, F. E. 146
Cuguen, J. 1945
Cui, H. W. 1437
Cui, L. G. 751
Cui, T. C. 2427
Čulafić, L. 1011
Cullis, C. A. 1948
Cundill, P. R. 964
Cunliffe, R. 2617
Cunningham, I. S. 1766
Curir, P. 1156
Currah, L. 2145
Curtis, D. 192
Curtis, E. W. 2690
Cutini, A. 24
Cutting, M. 2322
Da Costa Mota, M. G. 1044, 1170, 1223
Da Silva, J. V. 2204
Dadlani, M. 2654
Dahlberg, K. A. 1545
Dai, F. C. 1261
Dai, K. M. 2128
Dai, L. Y. 530
Dai, X. B. 2585
Daily, G. C. 2272
Dale, A. 2094
Dale, P. J. 1909
Dallwitz, M. J. 1489
Dalmacio, R. D. 2167
Dalton, S. J. 338
Daly, D. C. 1626, 1641, 2420, 2616
Damania, A. B. 511, 515, 517, 1243-1244, 2781
D'Ambrosio, F. 1189
Dameri, R. M. 2728
Damiani, F. 665, 1867
Dancik, B. P. 1949
Danckwerts, J. E. 202
Dane, F. 1718
Danesh, D. 1932
Danial, D. L. 2778
Daniels, C. 2388
Daniels, J. 2388
Danilova, N. S. 1233
Dankelman, I. 1520
Danthu, P. 1114
Darbyshire, S. J. 1709
D'Arcy, W. G. 822
Darmency, H. 1911, 2922
Darroch, B. A. 1275
Darvey, N. L. 2921
Darwis, S. N. 1224
Das, A. 603
Das, L. D. V. 283
Das, P. 2676, 2693
Das, P. K. 2394
Das, T. K. 575
Daub, M. E. 2203
Daubeny, H. 2188
Daunay, M. C. 2186
Davey, M. R. 1876, 2209, 2688, 2775, 2825
David, J. 2510
Davidse, G. 831, 837, 843, 1578
Davidson, D. A. 2648
Davies, F. T., Jr. 443
Davis, G. 1115
Davis, J. I. 1927
Davis, M. R. 53
Davis, T. D. 334, 353, 2962
Davis, W. H. 551
Davison, G. W. H. 1494
Davydova, Yu. V. 2719
Dawidowicz-Grzegorzewska, A. 310
Dayal, R. 2876
Dayal, T. R. 2936
De, N. N. 2641
De Almeida, C. F. G. 14
De Almeida, C. M. V. C. 14
De Andrade, E. B. 1044, 1223
De Bock, T. S. M. 2199
De Bruyn, M. H. 2689
De Carrillo, N. M. 2850
De Castro, C. E. F. 433
De Falco, E. 545
De Feo, V. 1833
De Jong, J. H. 2840
De la Puente, F. 2562
De la Rosa, L. 150
De Laat, A. 386
De Langhe, E. 715
De Laubenfels, D. J. 1652
De Lemos, O. F. 1170
De Luca, P. 2732
De Meijer, E. P. M. 1225, 1359
De Noir, F. A. 2764
De Nys, A. M. 538
De Oliveira, M. do S. P. 1044, 1223
De Pietri, D. E. 1810
De Proft, M. P. 1136
De Ron, A. 2053
De Ron, A. M. 174, 2054, 2827
De Santis, G. 544
De Silva, K. T. D. 2619
De Souza, J. G. 2204
De Souza-Chies, T. T. 1759
De Souza Gonçalves, P. 1564
De Souza Medeiros, A. C. 2556
De Souza Silva, J. 31
De Valencia, M. L. C. 2850
De Vries, I. M. 2840
De Vries, J. N. 1430-1431
De Vries, T. 859, 1430, 1795
De Wet, J. M. J. 1410
Deb, D. B. 1657
Debergh, P. 324
Debergh, P. C. 328
Debika Mitra 2408
Decker, D. M. 1866
Decourtye, L. 1050
Dedet, J. P. 2880
Deepak Pental 1573
DeFilipps, R. A. 2608
Dehgan, B. 905
Deíneko, E. V. 1420
Del Castillo, R. F. 1086
Del Giudice, A. 2929
Del Guidice, A. 675
Del Tredici, P. 1365, 1654
Delden, W. van 147, 957
Delgado S., A. 2346
Delgado-Salinas, A. 2716
Della, A. 555
Della Gatta, C. 566
Delouche, J. C. 273
DeMauro, M. 1027
Demeke, T. 473, 2697
Demeulemeester, M. A. C. 1136
Demissie Mitiku 2777
Dempsey, G. J. 2282
Denat, J. F. 2956
Dencso, I. 407
Deng, G. 2798
Deng, M. B. 2430
Denis, J. B. 2806
Denman, S. 1069
Denton, L. 20
Deora, N. S. 379, 398
D'Ercole, N. 1475
Dereuddre, J. 1173-1174
Derks, F. H. M. 685
Desamero, N. 428
Desjardins, P. R. 2845
Détienne, P. 1607
Deutsch, J. A. 145
Devender, T. R. van 962
Devey, M. E. 2727
Devi, R. 2215
DeWald, M. G. 2849
Dewey, D. R. 57, 974
Dhaliwal, H. S. 637, 2155, 2784
Dhammika Gunasekera 512
Dhasmana, R. 2594
Dhawale, B. C. 1763
Dhillon, N. P. S. 576, 583
Dhingra, M. 1888
Dhirendra Kumar 1464
Di Giusto, F. 2512
Di Pasquale, G. 1659
Di Renzo, M. A. 1279
Di Terlizzi, P. 1706, 1990
Dia, M. 1114
Dial, M. J. 2938
Dias, J. S. 2072
Dias, L. M. G. S. 2638
Díaz Lifante, Z. 939, 944, 1375
Dibbern, S. 1783
Dick, H. 1381
Dickinson, A. 2391
Dickison, W. C. 100
Dickson, E. E. 2381
Didukh, Ya. P. 1056
Dierig, D. A. 2187
Diettrich, B. 1897
Díez, M. J. 2560-2561
Dijk, H. F. G. van 2429
Dijk, H. van 1947
Dijk, P. van 957
Dilday, R. H. 1973, 2166
Dilst, F. J. H. van 92
Dimeeva, L. A. 223
Din, L. B. 610
Dinerstein, E. 2270
Ding, S. S. 2074
Ding, W. 2864
Ding, Z. Z. 2070
Dirr, M. A. 599
Dixon, A. G. O. 2930
Dixon, C. K. 2744
Dixon, J. A. 2272
Dixon, K. W. 1162, 2691
Dixon, R. K. 403
Djurdjević, L. 1011
Djurković, R. 2474
Dobson, T. 1558
Dobzhansky, T. 2247
Dodd, R. S. 2395
Dodd, W. A. 380, 396
Dodds, J. H. 1869
Dodson, C. H. 2459
Doebley, J. 470, 1181, 1920, 2016, 2159, 2714
Doğan, M. 64
Dogan, M. 64
Doggett, R. A. 2391
Dolci, M. 1156
Dole, J. A. 1748
Dolgova, E. M. 1471
Dolman, P. M. 232
Dolnicki, A. 2008
Domagalski, J. M. 2822
Domingos, M. 1043
Domínguez, V. 1757
Dominici, L. 1238
Donald, D. G. M. 391
Donaldson, P. 2202
Done, C. C. 884
Dong, J. 2730
Dong, J. L. 2912
Dong, W. 1330
Dong, Y. S. 540, 633
Donini, P. 642
Donnelly, D. J. 325
Donoso, Z. C. 590
Dooley, J. L. 1008
Dorado, O. 153
Dordio, A. M. 2586
Dorion, N. 412
Dorofeev, V. F. 2241
Dorr, L. J. 1028, 1619
Dorweiler, J. 2159
Dos Reis, S. F. 154
Dos Santos, G. 903
Dos Santos Pereira, M. A. 2892
Douches, D. S. 1003
Dover, G. A. 2237
D'Ovidio, R. 448, 519
Doyle, J. J. 1927, 2381, 2716
Dragavtsev, V. A. 1959, 2246
Dransfield, J. 1494, 1638
Dransfield, S. 959
Drennan, P. M. 1853
Drew, R. A. 2673
Dreyer, L. L. 932
Dreyer, M. 1846
D'Silva, I. 1889
D'Souza, L. 1889
Du, W. 2837
Du Plessis, H. 1578
Du Preez, P. J. 1064
Du Puy, D. J. 851
Duan, G. L. 2713
Dubcovsky, J. 542, 1183
Dublin, P. 1883
Dubois, F. 326
Dubois, J. 1137
Dubois, T. 1137
Ducreux, G. 463, 2186, 2932
Dudits, D. 678, 2934
Dudley, T. R. 1662
Duesing, J. 30
Dugelby, B. L. 2269
Duke, J. A. 2608
Dumas, C. 2666
Dumet, D. 1881
Dumont, R. 1873
Dunbar, K. B. 2675
Duncan, N. 1188, 1930
Dunckley, R. 2180
Dunlop, C. R. 884
Dunn, N. 2759
Dunstan, D. I. 2684
Dunsterville, G. C. K. 950, 2462
Durham, R. E. 1941
Duryea, M. L. 1818
D'Urzo, M. P. 563-564
Dutschewska, H. 2474
Duval, Y. 1881
Duvall, M. 470
Dvořák, J. 972, 1482, 1706
Dwivedi, B. N. 2990
Dwivedi, R. 2852
Dwivedi, S. 1046
Dyck, P. L. 1401
Dyer, A. F. 2306-2307
Dyer, C. 1005
Dymond, J. R. 225
Dyson, M. 2978
Dyurdevich, L. 1011
Dzhalilova, Kh. Kh. 845
Dzhemilev, U. M. 1460
Dzhubatyrova, S. S. 1241
Dzhyuba, T. P. 1800
Dziewanowska, K. 304
Eannetta, N. T. 2066
Earle, E. D. 2933
Easton, A. 1537
Eberhart, S. A. 1957, 2747
Echt, C. S. 2715
Ecke, M. 703
Edwards, K. J. 963-964
Edwards, M. 446
Edwards, T. J. 2447
Eeden, S. van 394, 1780
Eesa, N. M. 148
Eeuwijk, F. A. van 1359
Efthymiadis, P. 2553, 2758
Egawa, Y. 1303, 1715, 1732
Egli, D. B. 265, 272
Egli, N. 2978
Egziabher, T. B. G. 780
Ehdaie, B. 1242
Ehleringer, J. R. 2590
Ehrlich, P. R. 2272
Eijlander, R. 2832
Eiseb, E. 239
Eiswerth, M. E. 19
Ekiz, H. 2045
El-Amin, S. M. 606
El-Attar, A. H. 2044, 2057
El-Emam, M. A. 606
El-Hadi Maatougi, M. 756
El-Kholy, O. A. 2239
El-Lakany, M. H. 397

El-Moneim, A. M. A. 2925
El-Naggar, S. M. 2387
El-Naghy, M. A. 1474
El-Nahas, H. A. 607
El-On, J. 256
El-Oqlah, A. A. 236
El-Saadawi, W. 195
El-Sayed, M. M. 605, 607
Elberse, W. T. 221
Elemery, M. I. 2649
Elford, B. C. 2737
Elisabetsky, E. 253
Ellis, J. L. 131
Ellis, R. H. 278, 1097, 2633
Ellis, R. P. 829, 2354
Ellis, S. M. 2885
Ellis R. P. 60
Ellison, R. 461
Ellsbury, M. M. 2039
Elwinger, G. F. 2790
Emden, H. F. van 562
Emeklier, H. Y. 1297
Emerson, C. L. 2968
Emperaire, L. 2615, 2618
Encheva, V. 1348
Endress, P. K. 42
Endrizzi, J. E. 981
Engel, T. 724
Engelmann, F. 1881-1882, 2678
Engels, J. M. M. 2144, 2259
Engle, L. M. 656, 1972
English, S. 887, 2398
Englund, P. 2692
Ercoli, L. 642
Eriksson, O. 1719
Ernst, W. H. O. 280-281
Erschbamer, B. 1808
Erskine, W. 1504, 2047
Erstad, J. L. F. 1747
Ertter, B. 1677
Escobar, D. E. 53
Escobar, L. K. 873
Escribano, M. R. 2054-2055, 2827
Escuro, P. B. 2166
Esenowo, G. J. 1859
Esensee, V. 2192
Eser, D. 1297
Eshed, Y. 682
Eskuche, U. 2580
Espigares, T. 2635
Espinoza, J. 2183
Espinoza, N. 1869
Esquival, A. 2
Esquivel, M. 1503, 1820-1824, 2235, 2329, 2376, 2861-2862
Estelitta, S. 1341
Esteva, J. 577, 580, 687
Eswarappa, H. 2631
Etienne, H. 1884
Etoh, T. 2330
Evans, J. 461
Evans, R. J. 96
Everitt, J. H. 53
Evers, G. 1342
Evers, P. W. 394
Ewald, D. 1155
Ewel, J. J. 989
Fa, J. E. 2294
Facsar, G. 1666
Fadl-Allah, E. M. 1474
Fady, B. 39
Fähr, S. 1946
Fairbrother, T. E. 2039
Faivre-Rampant, P. 1202
Fakim, A. G. 252
Falco, E. de 545
Falcó, J. M. 1208
Falconer, J. 246
Falk, D. A. 808, 1528, 2234
Famolare, L. 2977
Fan, L. M. 1772
Fang, D. Q. 38
Fang, X. 2855
FAO, Regional Office for Asia and the Pacific 1449
FAO Plant Protection Bulletin 1458
Farghaly, M. A. 2082, 2647
Farjon, A. 1655, 2596
Farjon, R. 2596
Farooq, S. 2022
Farrant, J. M. 319
Farrington, J. 779
Fatkhutdinova, R. A. 2924
Fatokun, C. A. 1932, 2349
Faull, M. 114
Fautrier, A. G. 1999
Fawzy, M. 1580
Fedak, G. 457, 645, 1409
Fedoronchuk, M. M. 1755
Fedorovskiĭ, D. N. 1900
Fedorovskiĭ, V. D. 2762
Fehér, A. 678, 2934
Feldman, M. 1482
Feliner, G. N. 927
Felipe, A. J. 2763
Fellner, M. 468
Fellows, G. M. 1848
Femke, T. de Vries 1591
Fender, S. E. 683
Feng, R. 1311
Feng, X. Y. 2105
Feng, Y. Z. 438
Feng, Z. 1311
Fennell, S. 1200
Feo, V. de 1833
Ferguson, A. R. 12
Fergusson, R. 2617
Fernandez, G. C. J. 297
Fernández, H. 432
Fernández-Calvín, B. 2157
Fernández de Córdova, P. 2560-2561
Fernández-Tárrago, J. 489
Ferrão, J. E. M. 2986
Ferrari, C. 2482
Ferreira, D. I. 2689
Ferreira, M. A. 154
Ferreira, M. E. 2072
Ferreira, R. de P. 533
Ferrer, E. 2710
Ferris, D. M. 506
Ferrufino, A. 2557
Field, J. 2207
Figier, J. 1812
Figliuolo, G. 1032
Figueiredo-Ribeiro, R. C. L. 436, 2069
Figueroa, H. 1079
Filippetti, A. 560
Filippone, E. 1189
Finch, R. P. 1864
Fischbeck, G. 647, 2786
Fischer, F. 477
Fitch, C. M. 25
Fitzgerald, R. D. 8
Fizitea, M. 204
Flandre, F. 326
Flitner, M. 478
Flores, A. I. P. 1759
Flores, T. 904
Floyd, M. 178
Flüeler, R. P. 2815
Foley, M. J. Y. 946
Folke, C. 2272
Fonte, M. 18
Food and Agriculture Organization 2573-2574
Footitt, S. 2632
Force, J. E. 2611
Ford, V. S. 163
Ford-Lloyd, B. 1511
Ford-Lloyd, B. V. 476
Forde, M. B. 833
Fornaciari, M. 2519
Forno, G. 2043
Forrest, G. I. 157
Forsline, P. L. 2704
Forster, B. P. 1912
Forster, P. I. 896, 1699
Fortes, J. F. 2761
Förther, H. 849
Fossey, A. 2810
Foster, R. B. 799
Fouad Mohamed 372
Fournet, A. 2890
Foury, C. 2137
Fowler, D. B. 2918
France, Station d'Amélioration des Plantes Maraîchères 720
Francis, C. M. 2169
Francisco-Ortega, J. 912
Franciscon, C. 2618
Franclet, A. 332
Frank, J. 2223
Franke, R. 641
Franz, G. 482
Frazier, T. W. 368
Frederiksen, S. 44, 2364
Frediani, M. 1990
Freire, E. C. 155
Freire, V. 251
Frese, L. 1946, 2147, 2224
Fretz, A. 333
Frey, K. J. 1232
Frey, W. 724
Friebe, B. 662, 1404, 2155
Friedman, M. 2822
Friesen, L. J. 2692
Friis, I. 869, 2991
Fritsch, R. 34, 2325
Frodin, D. G. 893
Fu, F. H. 1263
Fu, J. 1406
Fu, J. R. 306, 2650
Fu, Y. L. 104
Fuentealba, J. 10
Fuentes, V. 1816, 1822
Fujita, K. 1439
Fukai, S. 1894
Fukazawa, H. 337
Fukuda, K. 643, 1398
Fukuda, T. 600
Fuls, E. R. 216, 222, 1787, 1794
Funari, S. 2052
Fundora, Z. 2862
Furness, C. A. 2442
Furuta, Y. 2327, 2509
Gaar, V. 1468
Gabali, S. A. 2343
Gabrielyan, È. Ts. 1680
Gadgil, M. 2272, 2990
Gage, D. A. 2797
Gaifami, A. 1814
Gal, G. 2223
Galasso, I. 46, 2828, 2929
Gale, M. D. 1482
Galeano, G. 1616-1617
Galeffi, C. 1831
Galil, J. 2545
Galili, G. 1482
Galili, S. 1482
Galinat, W. C. 1707-1708, 2487
Gall, G. A. E. 1513-1514
Gallagher, J. L. 1866
Galland, N. 1566
Gallego, M. J. 1565
Galwey, N. W. 2531
Gambogi, P. 1454
Gan, H. P. 702
Gan, Y. 1497
Gan, Y. J. 1259
Ganapathi, A. 87
Gandilyan, P. A. 2913
Ganesan, J. 2378
Ganeshan, S. 374
Ganga, Z. 2933
Gantier, J. C. 2880, 2890
Gao, G. J. 2823
Gao, L. Q. 1259
Gao, X. Z. 83
Garanko, I. B. 1505
García, A. 1052
García, J. A. 556
García, L. V. 2591
García Argáez, A. 2377
García Jiménez, F. 2377
García-Jiménez, J. 577
García Martín, F. 2477
Gard, C. L. 1664
Gardiner, S. E. 833
Garelkova, Z. 1159
Garfi, G. 1659
Garvey, T. C. 2941
Garvin, D. 1927
Gašić, O. 2474
Gasquez, J. 1939
Gasser, M. 2576
Gastaldo, P. 2728
Gaston, K. J. 1512
Gastony, G. J. 2744
Gatta, C. della 566
Gaudio, L. 2732
Gaur, P. M. 558
Gaur, R. D. 2564
Gauraha, A. K. 2614
Gautam, D. D. 2640
Gautz, L. D. 1151
Gavinlertvatana, P. 2700
Gavrilenko, T. A. 681
Gavrilova, V. A. 2223
Gawel, N. 471
Gawel, N. J. 2725
Gaydou, E. M. 62
Gayral, P. 2880
Gazeau, C. M. 1173-1174
Gaziyants, S. M. 980
Ge, K. L. 2671
Gebhardt, C. 1934
Gebhardt, K. 1154
Geburek, T. 2505, 2530
Gecit, H. H. 1297
Geethamma 1726
Gehlot, H. S. 353
Gehring, J. L. 1804
Geldenhuys, C. J. 1068, 2593
Gencsi, Z. 206
Geneve, R. L. 303
Genise, J. 1016
Genizi, A. 45
Gentry, A. 2608
Gentry, A. H. 249, 798, 897-898, 903, 907, 2271, 2600-2601
Gentzbittel, L. 1199
George, A. S. 895
George, K. 1726
George, W. L. 302
Georgiou, A. 1248
Gepts, P. 2522
Gereau, R. E. 2451
Gerechter-Amitai, Z. K. 45
Gerritsen, A. F. 88
Getachew Belay 624, 640, 2777
Ghaemi, M. 1863
Ghafoor, A. 1838
Ghazanfar, A. S. 2623
Ghazanfar, S. A. 237
Ghesquière, A. 2894
Ghetia, N. R. 2104
Ghiglione, C. 62
Ghose, S. K. 2859
Ghosh, A. K. 2990
Ghosh, B. 430
Giami, S. Y. 2086
Gianazza, E. 373
Giannini, R. 409
Gibby, M. 2445
Gibson, C. L. 2109
Gibson, J. P. 1007
Gibson, M. J. 1007
Gibson, N. 159
Gibson, R. W. 2831
Giese, H. 1917
Giess, W. 239
Gifri, A. N. 2343
Gigliano, G. S. 2732
Gil, F. 2836
Gil, J. 174, 2053
Gilchrist, L. I. 509
Giles, K. L. 2692
Gilg, A. W. 804
Gill, B. S. 662, 1482, 1915, 2155
Gill, K. S. 27, 2784
Gille, E. 2741
Gilles, J. L. 1806
Gillet, E. 2506
Ginsburger-Vogel, T. 2701
Giraud, M. 62
Girgvliani, T. S. 2549
Girko, V. S. 1393
Girón, L. M. 251
Gironella, A. 1970
Giskin, M. 1786
Giudice, A. del 675, 2929
Given, D. R. 2277
Gizlice, Z. 2499-2500
Gladis, T. 2386
Glass, C. 2464-2465
Glaszmann, J. C. 2678
Gleddie, S. 2202

Glendinning, D. R. 1188
Glenn, E. P. 2677
Glenn, S. M. 1792
Gocho, H. 2915
Goddard, I. C. 965
Godovikova, V. A. 1128
Godoy, R. 2639
Godt, M. J. W. 1750, 2527
Goedert, C. O. 769
Goffreda, J. C. 1918
Gogala, N. 431
Gogoberidze, M. K. 2735
Gogorcena, Y. 89, 2385
Golan, G. 657
Goldblatt, P. 934, 938, 1722
Gol'denberg, Z. V. 1252
Göldner, E. M. 1171
Golmirzaie, A. M. 2183
Gološin, B. 1344
Goloubinoff, P. 1919
Gómez, F. 2015
Gómez-Campo, C. 1592, 2570
Gómez-Guillamón, M. L. 580
Gómez-Laurito, J. 2412
Gómez-Sánchez, D. 187, 2223
Gomi, M. 2535
Gonçalves, P. de S. 1564
Goncharenko, G. G. 101, 1751
Gong, Z. 2844
Gonokami, Y. 2509
Gönülşen, N. 1124
González, A. 556
González, D. I. 146
González, S. 187
González C., F. 2791-2792
Goodman, D. 804
Goodman, M. M. 49, 2007, 2013, 2351
Goodman, R. M. 801
Goodman, S. M. 1838
Goodson, P. 1811
Gopal, B. 284
Gopinath, K. 658
Góral, S. 2139
Gorbunov, A. B. 2950
Gordon, M. P. 1890
Gorham, J. 621-622
Görler, K. 2884
Gosling, P. G. 2656
Gottlieb, L. D. 163, 1527
Gottsberger, G. 2533
Gould, W. P. 716
Gouyon, P. H. 2510
Govindaraju, D. R. 1203
Gowda, D. J. 1111
Gowdy, J. M. 1554
Grabau, E. A. 551
Gradziel, T. M. 2540
Grag, K. C. 1870
Graham, S. A. 2406
Grandi, T. S. M. 1837
Granger, J. E. 198
Grant, V. 1953
Grant, W. F. 1714, 2371
Grati, M. I. 1433
Gray, A. 2236, 2238
Gray, D. J. 1143
Grayling, P. M. 885
Greber, R. 691
Greenaway, W. 887, 2398
Gregg, K. B. 116
Gregorius, H. R. 2508
Greilhuber, J. 2127, 2895
Grenand, P. 2607
Greuning, J. V. van 1014
Grevtsova, N. A. 845
Grewal, A. 485
Grice, A. C. 203
Griffin, A. R. 2975
Griggs, T. 1403
Grigsby, W. J. 2611
Grillo, S. 563-564
Grimes, J. W. 1609
Gross, C. L. 1604
Grosser, J. W. 2173
Grout, B. 324
Grover, A. 1573
Groves, R. H. 2661
Gruezo, S. S. 2670
Grundy, I. M. 2617
Gu, F. 1292
Gu, H. H. 2738
Gu, Y. 1828
Gu, Z. J. 2114, 2116-2119
Guan, K. Y. 1590
Guangyin, J. 1290
Guarino, L. 176, 1033, 2552
Guerreiro Filho, O. 2108
Guerrier, G. 261, 1982
Guha, R. 2990
Guicciardi, A. 2887
Guimarães, E. P. 146
Guinberteau, J. 710
Guinet, P. 110
Guisto, F. di 2512
Guitián, J. 2541
Guitián, P. 2541
Guittonneau, G. C. 69
Gullison, R. E. 2311
Gulya, T. J. 697, 2101, 2856
Gunasekera, D. 512
Guo, B. 2785
Gupta, A. K. 1529, 1557, 2313
Gupta, B. 209
Gupta, B. B. 2347
Gupta, M. P. 2616
Gupta, P. K. 1247, 1560
Gupta, P. L. 1860
Gupta, R. 608
Gupta, S. 532, 637, 2784
Gupta, S. R. 2556
Gupta, S. S. 2083
Gurevitch, J. 1754
Gurinovich, N. V. 1222
Gusev, M. V. 2653
Gustafson, J. P. 1482, 2711
Guttman, S. I. 1001
Guzman, J. D. 1462
Ha, Y. W. 1098
Haacke, W. H. G. 239
Haber, E. 1569
Hacker, R. 1006
Hadar, A. 429
Hadjichristodoulou, A. 2486, 2787
Hagberg, P. 1767
Haghighi, K. 1197
Hahn, S. K. 2908, 2930, 2952
Hahn, W. J. 2428
Haider, Z. A. 2162
Haishima, M. 1315
Hakim, S. 515, 1244
Hakizamungu, E. 1834
Hakkert, J. C. 685
Hale, A. 428, 1123
Halijah, I. 573
Halkka, L. 1577
Hall, B. 1185
Hall, P. 2529
Halliwell, B. 2879
Halloran, G. M. 2038
Halwagy, M. 195
Ham, R. C. H. J. van 1954
Hamid, A. 254
Hamilton, C. W. 136
Hammatt, N. 395, 2825
Hammer, K. 2, 34, 46, 181, 184, 1820-1824, 2235, 2325, 2329, 2376, 2386, 2551, 2746, 2861-2862
Hammer, M. 2272
Hammer, S. 2468
Hammerschlag, F. A. 1942
Hammond, J. J. 1731
Hammoud, M. A. 2356
Hammoudi, A. 1806
Hampp, R. 703
Hampshire, R. J. 861
Hampton, R. O. 2214
Hamrick, J. L. 1007, 1750, 2527
Han, C. F. 668
Han, F. 2262
Han, K. H. 1890
Han, W. D. 1497
Han, Z. F. 2107
Hancock, J. F. 1197, 2092, 2191
Hancock, J. F., Jr. 1039
Hancock, R. E. W. 2885
Hanelt, P. 34, 2325, 2549
Haney, J. C. 19
Hang, A. 646
Hang, Y. Y. 2070
Hanhart, C. 2939
Hanioka, Y. 2132
Hann, J. T. 604
Hanna, W. W. 1922-1923, 2020
Hannah, L. C. 1923
Hannan, R. M. 2176
Hanneman, R. E., Jr. 2064
Hanover, J. W. 2528
Hansen, J. D. 2968
Hanson, A. D. 2797
Hanson, J. 1865
Hansz, J. 1174
Hanušová, R. 1215
Hao, S. 636
Haque, M. E. 2556
Hara, A. H. 2216
Harada, K. 469
Harada, T. 361
Harahap, Z. 2166
Harder, D. K. 1307
Hardes, S. R. 2233
Harding, J. A. 996
Hardon, J. J. 1549
Hardy, D. 189
Hardy, M. B. 1060
Hargreaves, B. J. 257
Haridasan, K. 2425
Harivandi, M. A. 996
Harjit Singh 2784
Harkes, M. P. 483
Harlan, J. R. 1486
Harley, R. M. 992, 1367
Harries, H. C. 2492
Harris, J. P. 1151
Harris, S. A. 1210
Harris, W. 1050
Harrison, G. E. 449
Harrison, P. G. 1102
Harry, I. S. 404
Hart, G. E. 1482
Hart, H. 820
Hart, H. T. 1954
Hart, R. 246
Hart, R. A. de J. 246
Hartmann, U. 2533
Hartog, M. 957
Harvey, B. L. 520
Harvey, Y. 1371
Hasegawa, A. 149
Hasen 1130
Hashimoto, A. 2491
Hashimoto, K. 1689
Hashimoto, T. 1956
Hassan, A. A. 579, 582
Hata, T. Y. 2216
Hather, J. G. 1716
Hattori, K. 1373
Haufler, C. H. 1664, 2341
Haugerud, A. 240
Havard, P. 336
Havey, M. J. 1191
Havránek, P. 468
Haware, M. P. 1299
Hawkes, J. G. 36, 74, 467, 1589
Hawkins, B. 2207
Hawksworth, D. L. 2569, 2972
Hawthorne, W. D. 1072
Hawthorne, W. J. 2391
Hayashi, H. 2256
Hayashi, J. 2004
Hayashi, K. 1973, 2555
Hayes, P. M. 646
Hazekamp, T. 1968
Hazekamp, Th. 1968
He, C. C. 1338
He, G. H. 549
He, H. 702
He, H. X. 1683
He, H. Z. 1256
He, J. X. 706
He, M. Y. 636
He, P. C. 1338
He, R. F. 2149
He, W. B. 1122
Hearn, C. J. 1438
Heble, M. R. 486
Hegazy, A. K. 148
Hegde, N. G. 2604
Hegenscheid, B. 1378
Heijden, R. van der 2739
Heikkinen, R. K. 41
Heimlich, W. 2182
Heinrich, M. 2886
Heinz, D. J. 1443
Heinzman, R. 2608
Helgeson, J. P. 1185
Hemleben, V. 1935, 2723
Henderson, A. 1616-1618
Henderson, N. 777
Henderson, R. T. 2207
Hengel, A. J. van 483
Henken, B. 2199
Hennessy, E. F. 127
Henning, J. A. 166
Henny, A. N. 2415
Henry, G. 1936
Henry, J. P. 2510
Hensold, N. 928
Hepper, F. N. 2302
Herman, B. 390
Hermesh, R. 1275, 2658
Hermitte, M. A. 1384
Hernández, C. M. 2747-2748
Hernandez-Alvarez, H. 1378
Hernández Roque, F. 2492
Herranz-Sanz, J. M. 2570
Herrera, Y. A. 842
Herrera-Montoya, M. 2502
Herrington, M. E. 691
Herrmann, D. 1378
Herrmann, R. G. 477
Herrmann, S. 425
Herscovitch, C. 1611
Hertel, H. 1360
Heslop-Harrison, J. S. 449
Hess, D. 738
Hesselink, P. G. M. 483
Hetrick, B. A. D. 201
Hettel, G. P. 740
Heusden, A. W. van 1205
Hewitt, G. M. 2738
Hewitt, J. D. 2941
Heywood, J. S. 2507
Heywood, V. H. 1487, 1493
Hickenbick, M. C. M. 1759
Hickey, R. J. 1001
Hidaka, T. 1439
Higgins, D. L. 2102
Higuera, A. 2062
Hijiya, K. 620
Hik, D. S. 2579
Hill, K. D. 2426
Hill, M. J. 2040
Hill, R. S. 894, 985-986
Hillel, J. 1198
HilleRisLambers, D. 2166
Hilliard, O. M. 1669, 1671
Hillman, J. R. 1904
Hiltunen, R. 2695
Hind, N. 1370
Hintum, T. J. L. van 1968, 2224
Hintz, W. E. 492
Hipkins, V. D. 2493, 2731
Hirai, T. 2915
Hirzel, A. T. 2066
Hnízdil, M. 1468
Ho, J. Y. 1193
Hobbelink, H. 1518, 2232
Hoc, P. S. 909, 1016
Hochberg, H. 2286
Hocquemiller, R. 2890
Hodel, D. R. 2993
Hodgkin, T. 504, 1962, 1967
Hodgson, J. G. 2626
Hoelzel, A. R. 2237
Hof, T. van't 2272
Hofmann, R. 2964
Holder, D. J. 863
Holl, F. B. 669
Holly, L. 791, 1220, 1298
Holmgreen, N. H. 1672
Holsinger, K. E. 781, 1527, 2234
Hölters, J. 426
Holubec, V. 1215, 2265
Honda, Y. 2256
Hondijk, A. L. F. M. 2429
Hong, D. Y. 1369
Hong, T. D. 278
Hong, Y. P. 115, 2493, 2731
Hongo, A. 1743
Hooda, J. S. 568

Hooda, P. S. 307
Hoogendoorn, J. 2832
Hooglander, N. 2740
Hopen, H. 586
Hopkins, H. F. 1635
Hopp, E. H. 1183
Hopper, R. 2933
Hopper, S. D. 883
Horgen, P. A. 492, 2743
Horne, D. 461
Horne, M. E. 1515
Horry, J. P. 86
Horsman, K. 2939
Horsthemke, B. 477
Horton, R. R., Jr. 1327
Horváth, Z. 289, 300
Hosaka, K. 466, 2064
Hoseni, M. H. 2082
Hoshizaki, B. J. 2963
Hossain, I. 516
Hossain, M. 375
Hosten, P. E. 2583
Hota, A. K. 2829
Hotta, M. 1762
Houchins, K. 1924
House, L. R. 2550
Hove, C. van 1227
Howard, E. R. 2102
Howard, R. A. 1627
Howard, T. M. 934
Howeler, R. H. 2771
Hoyle, R. 28, 2321
Hruška, K. 1075
Hrušková, H. 288
Hsiao, C. 974
Hsiao, J. Y. 98
Hsieh, J. S. 1740, 2161
Hsu, F. H. 1280
Hsuan, K. 736
Hu, B. K. S. 2216
Hu, C. L. 1845
Hu, H. 635
Hu, J. C. 2824
Hu, J. S. 1432
Hu, Q. M. 111
Hu, Z. L. 1651
Huamán, Z. 1308, 1312
Huang, C. W. 529
Huang, F. H. 362
Huang, H. 1311
Huang, J. C. 2048
Huang, J. Q. 2205
Huang, R. H. 2014
Huang, S. F. 99
Huang, T. C. 99, 2125
Huang, X. L. 306
Huang, Y. C. 1740, 2161
Huang, Z. 2855
Huang, Z. Z. 541
Hubbell, S. P. 799
Huelgas, V. C. 656
Huenneke, L. F. 1735
Hueros, G. 2710
Hufford, L. 100
Hughes, H. 2192
Hughes, H. G. 419, 2697
Hughes, J. D. 2990
Huguet, F. 488
Huh, H. 2872
Hulley, P. E. 2099
Hulton, M. G. 301
Hummer, K. E. 1976, 1981
Humphreys, N. C. 338
Hunt, D. M. 1813
Huo, H. 2823
Huo, Z. T. 1240
Hurrell, G. A. 1103
Husain, S. N. 830
Hussey, R. S. 1390
Hutchins, G. 1536
Huyghe, C. 667, 1036
Hwang, J. J. 1098
Hwang, M. 1185
Hymowitz, T. 72, 499, 552, 1584, 2822
Iannamico, V. 1189
Iannelli, P. 545
Iannucci, A. 544
Ibrahim, A. E. 265
Ibrahim, J. 2874
Ibrahim Jantan 2874
Iezzoni, A. F. 2848
Ihlenfeldt, H. D. 1479
Iinuma, M. 1955
Ijzendoorn, M. T. van 2832
Ikeda, H. 1667, 2438
Ikeda, R. 534, 2029, 2795
Ikehashi, H. 1315
Iketani, H. 2382
Ikoda, N. 1725
Ilangantileke, S. G. 1462
Imai, T. 465
Imaino, L. S. 2216
Imakawa, S. 2724
Imamov, B. Sh. 1269, 2032
Imbabi, E. S. 2098
Immelman, K. L. 2437
Inamdar, A. C. 574
Inamdar, J. A. 108
India, National Bureau of Plant Genetic Resources 2220
Indira, P. 2669
Infantino, A. 1455
Infantino, S. 1032
Ingham, L. D. 1923
Ingram, D. S. 2133
Ingram, R. 1210
Innes, N. L. 2754
Innes, R. L. 452
Inomata, N. 2491
International Board for Plant Genetic Resources 730, 749, 790, 1029, 1038, 1042, 1212-1213, 1217-1218, 1221, 1229, 1283, 1355, 2219, 2223, 2974
International Center for Agricultural Research in the Dry Areas 721, 1478
International Institute of Tropical Agriculture 2178, 2969
International Network for the Improvement of Banana and Plantain 13, 729-730
International Potato Center 2222
International Rice Research Institute 718, 2226
Ioris, E. M. 2612
Iqbal, N. 2022
Iqbal, S. M. 713
Irawan 1045
Irikura, Y. 465
Iriondo, J. M. 421, 1094, 1164
Irulappan, I. 1319, 1362, 1435
Irwin, J. A. 1746
Isaac, P. G. 1937
Isaeva, N. A. 1128
Isakov, Yu. N. 101
Isely, D. 51
Ishag, H. M. 1270
Īshbīrdīn, A. R. 1799
Ishida, R. 59
Ishige, T. 465
Ishikawa, S. 2724
Ishizaka, H. 1448
Ishwaran, N. 788
Islam, A. K. M. R. 449
Islam, M. R. 647
Islam, R. 375
Isleib, T. G. 2195
Ison, R. L. 2813
Israel, Institutes for Applied Research, Ben-Gurion University of the Negev 717
Issa, J. L. 196
Itino, T. 1762
IUCN East European Programme 2988
Ivanović, D. 2160
Ivchenko, I. S. 107
Iversen, S. T. 1057
Iwahashi, Y. 480
Iwanaga, M. 2538
Iwata, N. 2168
Iwatsubo, Y. 1336
Iwatsuki, K. 2903
Izdebski, R. 653
Izvorska, N. 1159
Jaarsveld, E. van 189
Jaaska, V. 48
Jackson, M. T. 36, 912, 1502
Jackson, P. S. W. 1487
Jackson, T. J. 53
Jacobs, B. C. 2813
Jacobs, S. W. L. 2367
Jacobsen, N. 6, 47, 524, 1408, 1572
Jacq, B. 386
Jadari, R. 2932
Jagadish, C. A. 658
Jagannathan, V. 679
Jagdish Kumar 9
Jäger, A. K. 2742
Jahier, J. 644, 1416, 2914
Jähne, A. 333
Jahnen-Dechent, W. 2721
Jahoor, A. 2786
Jahufer, M. Z. Z. 8
Jaideep Mathur 2698-2699
Jain, A. 388
Jain, A. K. 1835
Jain, S. K. 735
Jalani, S. 1043
Jamaluddin, S. H. 13
Jan, C. C. 693, 697, 2193, 2856
Jana, M. K. 546
Jana, S. 517, 1243, 2314, 2490, 2984
Janardhanan, K. 2821
Jang, E. B. 2216
Janick, J. 2548
Janse van Rensburg, F. P. 52
Jansen, P. C. M. 1228
Janssen, A. 598, 1361
Jansson, A. 2272
Jansson, B. O. 2272
Japan, International Development Centre for Japan 778
Japan, National Institute of Agrobiological Resources 722, 2218
Jaradat, A. A. 514, 1236-1237
Jaritz, G. 1272
Jarret, R. L. 471, 1163, 2373, 2562, 2725
Jarvie, J. K. 55, 2360
Jarvis, C. E. 871
Jatasra, D. S. 569
Jauhar, P. P. 616
Jay, M. 35
Jayalakshmi, R. 593
Jayanna, M. 1304
Jayanti Sen 434
Jayaraj, S. 2909
Jayaraj, T. 294
Jayarajan, R. 1257
Jayasingam, T. 1779
Jean, M. 356
Jeandroz, S. 1202
Jebb, M. 918
Jefferies, R. L. 2579
Jenkins, J. N. 2206
Jenns, A. E. 2203
Jensen, E. H. 297
Jensen, K. B. 57, 974, 2035
Jeong, J. H. 115
Jermstad, K. D. 2727
Jestin, L. 2141
Jeswiet, J. 2388
Jewell, D. C. 145
Jeyarajan, R. 1349
Jha, R. R. 2440
Jia, J. Z. 449
Jian, L. C. 343
Jiang, H. R. 618
Jiang, J. 2155
Jiang, J. M. 617
Jiang, L. X. 1149
Jiang, N. G. 1597
Jiang, R. Q. 706
Jiang, Y. 2866
Jiao, C. H. 1041
Jiménez, M. A. 489
Jiménez Madrigal, Q. 2409
Jin, D. S. 1259
Jin, R. L. 1683
Jin, S. G. 424
Jin, Y. D. 2164
Jin, Y. X. 2430
Jing, S. X. 2088
Joarder, O. I. 375
Jochemsen, G. 631-632
Joenje, W. 147
Johansen, C. 546
Johjima, T. 2330
Johns, A. D. 1493
Johns, R. J. 1493
Johns, T. 1841
Johnson, B. 2291
Johnson, C. T. 248
Johnson, D. 1494, 1494
Johnson, D. L. 2536
Johnson, J. A. 16
Johnson, R. C. 506
Johnston, M. O. 170
Joly, L. G. 2607
Jonard, R. 2956
Jonas, R. 103
Jondet, M. 1174
Jones, A. 2616
Jones, D. R. 13
Jones, J. I. 2902
Jones, M. G. K. 2180, 2831
Jones, O. P. 331
Jones, P. J. 2295
Jones, R. G. W. 622
Jones, R. M. 2242
Jones, R. N. 1316
Jones, T. A. 285, 2171, 2808
Jong, J. H. de 2840
Jönsson, H. A. 2033
Jordano, P. 1017
Jørgensen, J. H. 522
Jos, J. S. 2669
Jose, D. 1341
Joshi, B. D. 2258, 2260
Joshi, C. P. 2712
Joshi, J. 178
Joshi, S. 334
Joshi, Y. C. 314
Joubert, C. 1793
Joubert, H. L. N. 502
Jourdain, E. L. 2838
Jouve, N. 150
Judd, W. S. 1701, 2333
Judziewicz, E. J. 133, 2368
Jung, C. 477, 1946
Jung, K. H. 1209
Jurkic, V. 2783
Jurzysta, M. 2369
Jusaitis, M. 415
Kaas, R. 1902
Kabir, G. 2059
Kabitarani, A. 1323
Kadereit, J. W. 1207
Kaemmer, D. 472
Kahane, R. 358
Kahl, G. 472
Kainer, K. A. 1818
Kaiser, W. J. 712, 2214
Kakotonjavahary, X. R. 2556
Kala, J. C. 2268
Kalda, T. S. 2083
Kale, P. N. 1763
Kalinowski, A. 2520-2521
Kalkman, C. 2380
Kalliola, R. 2366
Kalliola, R. J. 41
Kallunki, J. A. 1623
Kalode, M. B. 535
Kamalova, I. I. 101
Kamel, M. 1287
Kameníková, L. 2760
Kamiyama, K. 2132
Kammannanavar, P. Y. 567
Kamp, H. J. van der 1359
Kanazawa, T. 361
Kandeel, N. M. 2082
Kandelaki, V. N. 2549
Kantharajah, A. S. 380, 396
Kao, T. H. 1908
Kapoor, K. S. 207
Kapoor, M. L. 1886
Kappelle, M. 904
Kapteijns, A. J. A. M. 2709
Kapur, M. 714
Kapur, S. K. 2875
Karagliannakidou, V. 2424
Karagüllü, N. 2045
Karale, A. R. 1763
Karasawa, K. 1689
Karataglis, S. 1248
Karkoszka, U. 2154
Karkutsiev, G. N. 1056
Karp, A. 2775, 2831

Karpel', B. A. 1233
Karron, J. D. 1730
Kartashova, E. R. 2653
Kartha, K. K. 1121, 1127, 2692
Kartowinoto, S. 2166
Kasai, N. 361
Kasha, K. J. 650
Kashevarov, G. P. 1755
Kashino, N. 620
Kashio, T. 2915
Kashour, G. 2781
Kassam, A. 2598
Kasten, W. 342, 666
Katayama, T. C. 2025-2026
Katiyar, S. K. 1991-1993, 2030
Kato, M. 1762
Kato, S. 1880, 2449, 2724
Katsuta, M. 753
Kaul, A. K. 596
Kawada, N. 1251
Kawahara, T. 510
Kawai, S. 1955
Kawanabe, S. 210
Kawano, K. 2935
Kazan, K. 1928
Kazim, M. 1380
Kearns, D. M. 79
Keathley, D. E. 1890
Kebede, H. 506
Keddy, P. A. 1803
Keel, S. 2271
Keely, J. E. 1077
Keep, E. 2189
Kefeli, V. 1011
Keller, E. R. 1994
Keller, L. 1994
Keller, W. A. 2202
Kellerhals, M. 2287
Kellert, S. R. 241
Kellman, M. 23
Kellner, K. 233
Kelly, J. D. 1931
Kemp, E. E. 1978
Kemp, W. M. 2272
Kendall, E. J. 1127
Kennedy, H. 2472
Kenton, A. Y. 494
Kenworthy, W. J. 2049
Kerber, E. 628
Kerber, E. R. 452
Kermicle, J. 2159
Kerr, K. 247
Kerrigan, R. W. 2743
Kersting, A. C. O. 1759
Keskar, B. G. 1763
Kessler, E. 2272
Khafizov, V. R. 1460
Khairallah, M. M. 462
Khalifa, A. M. 605
Khalil, S. A. 766
Khalilov, I. I. 877-879
Khamula, P. V. 1393
Khan, M. A. 839, 2843
Khan, S. T. A. 344
Khanna, K. R. 1379
Khanna, V. K. 167-169
Kharti, V. G. 977
Khasbagan, S. 245
Khati, D. V. S. 2990
Khattab, A. M. A. M. 2044
Khatua, D. C. 2859
Khayota, B. 2458
Khehra, G. S. 383
Khetarpal, R. K. 1464
Khoshoo, T. N. 190
Khotyleva, L. V. 1131
Khristov, M. 1348
Khullar, P. 2268
Khush, G. S. 1413
Kiambi, K. 1521
Kiang, Y. T. 1744
Kiatsoonthorn, V. 277
Kidane-Mariam, H. M. 2936
Kidwai, M. A. 1380
Kiew, R. 1494
Kigel, J. 2801
Kihara, H. 824
Kik, C. 147
Kikcio, S. I. 2684
Kilen, T. C. 549
Kılınç, M. 200
Killeen, T. J. 1010
Kim, I. S. 2483
Kim, J. W. 1679
Kim, K. H. 424, 424
Kim, K. S. 115, 416
Kim, N. S. 1402, 1916
Kim, S. H. 411
Kim, S. J. 2003
Kim, S. W. 1209
Kim, U. I. 2257
Kim, W. K. 452
Kim, Y. S. 112-113, 926, 1686, 2116
Kimber, G. 1249, 1914
Kindiger, B. 2158
Kindler, S. D. 646
King, D. 807
King, I. P. 449, 630
King, K. 2723
King, S. B. 2794
King, S. R. 2616
Kinnaird, M. F. 1085
Kinoshita, T. 335
Kintzios, S. 647
Kinucan, R. J. 1805
Kinukasa, H. 1563
Kirby, K. J. 2392
Kirchheim, B. 2752
Kiriswa, F. L. 2778
Kirkbride, J. H., Jr. 864, 1329
Kishaba, A. N. 2845
Kita, F. 1130, 1713, 1743
Kitazawa, T. 491
Kitzberger, T. 1055
Kleiman, R. 2954
Klein, J. 2801
Klein, R. E. 2214
Kleinschmit, J. 774
Klimaszewska, K. 2683
Klinguer, A. 393
Klinguer, S. 393
Kloet, S. P. vander 2384
Knapp, S. 871, 1622, 1645
Kneen, B. 1182
Knerr, L. D. 584, 863, 978, 1012, 1324
Knight, V. 2189
Knott, D. R. 2156
Knüpffer, H. 1821, 1987, 2001, 2235
Ko, T. S. 424
Koba, H. 1575
Kobayashi, N. 534, 2795
Kobayashi, T. 1353
Kobïv, Yu. Ï. 1755
Kochert, G. 2373
Kochjarová, J. 539
Kociuba, W. 1255, 2009
Kodela, P. G. 1611
Koechlin, J. 151
Koenig, J. 2141
Kof, E. 1011
Kofman, Ï. Sh. 213
Kohmura, H. 363
Kohn, J. R. 1734
Koike, M. 339
Kokubu, T. 1872
Kokwaro, J. O. 1841
Kolak, I. 2061
Kolbeck, H. 2571
Kollipara, K. P. 2822
Komasadomi, T. 337
Komeichi, M. 2256
Komen, J. 2315, 2911
Komendar, V. I. 1799
Komori, S. 2724
Kondo, K. 2114, 2116-2119
Kondratyuk, E. N. 2745
Konopka, J. 589
Kont, A. 226
Kooij, M. S. 1063
Koopman, W. J. M. 2840
Koopowitz, H. 1117
Koornneef, M. 1193, 2939
Kopp, B. 2621
Korać, M. 1344
Kores, P. 947
Korpusenko, L. I. 1131-1132
Kostkanová, E. 1215
Kostřica, P. 1871
Kotukhov, Yu. A. 841, 1576
Koudou, J. 2129
Koul, A. K. 1022, 2100
Koul, K. K. 1035
Koul, P. 1022
Kovach, D. A. 1100
Kováčik, A. 2223
Kowalski, S. P. 2066, 2830
Kozomara, B. 1011
Koz'yakov, O. S. 1698
Krajewski, P. 1291
Kramadibrata, P. 1638
Kramer, R. A. 2324
Kranz, A. R. 2752
Krasnyanski, S. 1150
Krens, F. A. 1945
Kresovich, S. 1, 142, 1938, 2381, 2704
Kress, W. J. 929
Kretschmer, A. E., Jr. 2820
Krettli, A. U. 1837, 2889
Kŕichjalushiĭ, V. V. 1799
Kris', O. P. 215
Krishnamurthy, K. C. 2631
Krishnan, A. R. 2284
Krishnasamy, V. 309
Kritzinger, J. H. 2628
Krizus, A. 1004
Krogulevich, R. E. 2888
Kron, K. A. 2333
Krpálková, A. 1871
Krugman, T. 2773
Kruse, J. 34, 2325
Krygier, D. 855
Kuang, W. S. 1285
Kuc, I. 1996
Kudo, S. 2327
Kudo, T. 620
Kudryashova, G. L. 856
Kuehnle, A. 418
Kuhnlein, H. V. 2980
Kuhnt, M. 2886
Kuiate, J. R. 2129
Kuijpers, R. P. 92
Kuioi, N. 620
Kuiters, A. T. 280
Kukreti, S. 2416
Kukułczanka, K. 420
Kuldeep Singh 2875
Kuleshova, M. K. 1466
Kulip, J. 2481
Kulkarni, H. D. 2960
Kulothungan, S. 87
Kumar, A. 1175
Kumar, C. A. 1465
Kumar, D. 1464, 2566
Kumar, H. 1350
Kumar, J. 9
Kumar, M. 2011-2012
Kumar, N. 1319, 1435
Kumar, O. 2268
Kumar, P. B. A. N. 2955
Kumar, P. S. 1417
Kumar, R. 2030
Kumar, S. 1362
Kumar, U. 561
Kumari, N. 442
Kunert, R. 342, 666
Kunert-Radek, J. 481
Kunesch, G. 2880
Kunesch, N. 2880
Kunhardt, C. 2447
Kuo, H. C. 98
Kurauchi, N. 1246
Kuriachan, P. 37
Kurowski, J. 1309
Kürschner, H. 724
Kurumado, K. 997
Kusanagi, T. 2132
Kushalappa, C. G. 1775
Kushalappa, K. A. 2268
Kushwaha, S. P. S. 284
Kuspira, J. 1402, 1916
Kuti, J. O. 368
Kutlu, Y. Z. 762
Kutney, J. P. 2738
Kuzmanov, B. 2474
Kvachadze, M. B. 1252
Kwak, S. S. 1209
Kyin Hla Aye 2891
La Croix, E. A. S. 2245
La Croix, I. F. 2245
La Croix, T. M. 2245
La Rotta, C. 2608
Laat, A. de 386
Labadie, R. P. 2619
Labbe, S. 1079
Laberge, N. 1952
Łabza, A. 2517
Laclau, J. P. 1703
Lad, S. K. 2860
Ladd, T. L., Jr. 2181
Ladha, J. K. 1227
Ladiges, P. Y. 1608
Ladizinsky, G. 1767, 2489
Lafiandra, D. 448, 519, 1238, 1738-1739
Lagercrantz, U. 2726
Laghetti, G. 181, 1032, 2551
Lagos-Witte, S. 2607
Lagudah, E. S. 629, 2910
Lai, Y. T. 2857
Lai, Z. J. 2870
Laínz, M. 2123
Lairungreang, C. 1303, 1732, 1770, 2177, 2375
Lakhanpaul, S. 316
Lakshmanan, K. K. 593
Lakshmanan, P. 1257
Lakshmi, N. 686
Lakshmikumaran, M. S. 679
Lal, P. 2960
Lamadji, S. 1045
Lamaty, G. 2129
Lambardi, M. 409
Lambert, K. N. 1193
Lamboy, W. F. 2704
Lammers, T. G. 928
Lan, Q. Y. 438
Lance, C. J. 2896
Lando, T. M. 275
Landrum, L. R. 94, 590
Lane, M. A. 1664
Lang, L. J. 765
Lange, W. 631-632, 2199
Langenfel'd, V. T. 1490
Langenfelds, V. 1490
Langhe, E. de 715
Lanham, P. G. 1200
Lansdown, C. 2207
Lanteri, S. 264, 1118
Lapp, M. S. 914
Lark, K. G. 461
Larkin, P. J. 625, 1396
Larsen, K. 1048
Larson, S. 1181
Larsson, U. 711
Lászlóffy, K. 1142, 2694
Latif, M. 1876
Latiff, A. 610
Latigo, M. W. O. 1031
Laubenfels, D. J. de 1652
Laublin, G. 1166
Laurain, D. 2686
Laurance, W. F. 22
Laurent, D. 1836
Lauria, F. 2336
Lavi, U. 1198
Lavieville, L. 326
Lavigne, C. 1921, 1939
Lavrik, I. P. 1850
Law, C. N. 630
Lawn, R. J. 676
Lawrence, G. W. 389
Lazardi, K. 2836
Le Roux, J. J. 392
Le Sech, L. 667
Le Targa-Le Blanc, A. 2141
Leach, G. 880
Leach, J. 536
Leak, J. 1023
Leal, F. 2096
Lebeda, A. 1332
Lebedenko, L. A. 406
Lebot, V. 990, 1382, 2834
Ledant, J. P. 2770
Ledig, F. T. 991
Lee, C. H. 2301
Lee, C. W. 322, 419, 2677, 2697
Lee, E. S. 2003
Lee, H. 1209
Lee, H. S. 411

Lee, J. S. 424
Lee, K. 461
Lee, S. K. 2164
Lee, W. B. 352
Lee, W. H. 424
Lee, Y. N. 2431
Leeuwenberg, A. J. M. 92
Lefèvre, F. 2503, 2833
Lefevre, F. 1202
Lefol, E. 1911
Lefranc, M. 1921
Lefrançois, C. 2942
Legesse, N. 1108
Leggett, J. M. 1767
Leggett, M. 1182, 2554
Legouis, J. 2141
Leitch, A. R. 449
Leiva, A. 1503
Lejoly, J. 1676
Lellinger, D. B. 33
Lemoine, M. 1202
Lemos, O. F. de 1170
Lentini, Z. 2933
Leon, C. 1541-1542, 2308-2309
León de la Luz, J. L. 2577
Leonov, M. 614
Leonov, M. V. 2348
Lescure, J. P. 2615, 2618
Lesica, P. 785
Leung, H. 536, 2167
Leung, N. L. 2692
Leur, J. A. G. van 1504
Leva, A. R. 409
Levassor, C. 2588
Leverich, W. J. 1984
Lévesque, C. A. 2188
Levin, G. A. 82
Lewak, S. 304
Lewellen, R. T. 2200
Lewis, G. P. 852-853, 910
Lewis, S. M. 1183
Lewis, W. H. 2111
Li, B. J. 2088
Li, B. S. 2987
Li, J. R. 2672
Li, J. Y. 2257
Li, L. 2855
Li, L. C. 1653
Li, L. H. 540, 2919
Li, M. J. 1563, 2107
Li, M. S. 1264
Li, T. 1203
Li, W. B. 73
Li, W. E. 1256
Li, X. 1256, 1311
Li, X. C. 1259
Li, X. L. 2051
Li, X. P. 1651
Li, Y. 2074, 2427
Li, Z. X. 129
Lianchamroon, W. 1519
Liang, G. H. 460, 1411
Liang, Q. 550
Liang, Y. X. 2021
Liang, Z. L. 706
Liao, R. G. 1595
Liao, S. M. 279
Libby, W. J. 1530
Lichko, N. M. 1850
Liddle, M. J. 2803
Lidén, M. 930
Liebenberg, H. 2810
Liengsiri, C. 792
Lifante, Z. D. 939
Limin, A. E. 2918
Lin, C. H. 1110
Lin, H. R. 2679
Lin, J. Y. 194
Lin, M. 1311
Lin, M. Z. 1285
Lin, R. 1311
Lin, S. 93
Lin, W. T. 194
Lin, Z. S. 1396
Linde-Laursen, I. 524, 1917, 2000, 2364
Lindner, R. 174
Lindsay, S. 2306-2307
Line, R. F. 623
Linfield, C. A. 1374
Ling, H. Q. 1153
Ling, Y. L. 2262
Linnaeus, C. 1655
Lioi, L. 2329
Lipponen, J. 2695
Lira, R. 862
Lira-Saade, R. 78
Lisowski, S. 1676
Liston, A. 71, 1929
Litkey, Z. 678
Litz, R. E. 399-400, 1387
Liu, C. R. 1470
Liu, C. Z. 704
Liu, D. 488
Liu, D. J. 617
Liu, F. 2837
Liu, G. R. 1147
Liu, H. 2951
Liu, H. Q. 2823
Liu, H. R. 1261
Liu, J. L. 704
Liu, J. R. 1209, 2863
Liu, K. C. S. C. 2737
Liu, L. 1733
Liu, P. Y. 77
Liu, Q. C. 1872
Liu, Q. L. 2427
Liu, R. J. 2854
Liu, S. 2785
Liu, S. W. 2870
Liu, W. H. 2107
Liu, X. S. 1585
Liu, Y. C. 2917
Liu, Y. Z. 2824
Liu, Z. 2798
Liu, Z. W. 1278, 2036
Liu, Z. Z. 507
Livingston, D. P., III 2790
Liyanage, A. S. U. 2556
Lizárraga, R. 1869
Lo, C. C. 2958
Loaiza-Figueroa, F. 1192
Loarce, Y. 2710
Loboda, T. 2078
Lock, W. H. 274
Lockman, Y. 256
Loeschcke, V. 2983
Loevinsohn, M. E. 1827
Logvinenko, V. F. 1026
Lohmann, L. 2236, 2238
Lollo, L. V. 707
Lombardi-Boccia, G. 565
Löme, D. 2241
Londoño, X. 132
Long, Y. Y. 1507
Lönn, M. 493
Lopes, C. R. 154
Lopes, J. L. C. 2889
López, F. 1065
Lopez, V. 1971
López J., L. 183
Lörz, H. 333
Loskutov, I. G. 1235
Losos, E. C. 2311
Lot, H. 680
Lotito, S. 1118
Lott, E. J. 905
Löve, A. 57, 825
Love, S. L. 690
Lovejoy, T. E. 2982
Loveless, M. D. 1750, 2526
Lovett, J. C. 1067
Lovrić, A. Ž. 2578
Loy, J. B. 301
Lu, B. R. 56, 835-836, 2033, 2361, 2916
Lu, J. 2103
Lu, J. L. 550
Lu, T. G. 343
Lu, W. M. 2107
Lu, Y. G. 2355
Lu, Z. C. 1335
Lubbers, E. L. 1922
Lubini, A. 1071
Lubrano, L. 1887
Luby, J. J. 1039, 1761, 2191
Luca, P. de 2732
Luckner, M. 1897
Luebke, N. T. 1704
Luer, C. A. 119, 122
Lugo, A. E. 2272
Lukina, N. I. 1281
Lülsdorf, M. M. 669
Lulsdorf, M. M. 2684
Lumaret, R. 967, 2512, 2740
Luntungan, H. T. 1224
Luo, M. C. 634
Luo, Y. X. 1658
Lurquin, P. F. 1189
Luu Ngoc Trinh 2556
Lydiate, D. 2726
Lye, K. A. 868
Lynch, J. 556
Lynch, P. T. 2688
Lynch, R. J. 604
Lyne, A. M. 2433
Lyrene, P. M. 2190
Ma, D. 2793
Ma, D. Q. 2005
Ma, G. H. 1412
Ma, H. M. 1193
Ma, H. S. 1259
Ma, K. F. 1061
Ma, S. J. 2823
Ma, S. Q. 2917
Ma, Y. S. 1125
Ma, Z. Q. 1915
Ma, Z. Y. 2846
Maan, S. S. 1399-1400
Maassoumi, R. 850
Maatougi, M. E. 756
Mabbett, T. 447
Mabry, T. J. 1190
Mac An t-Saoir, S. 405
McCartney, R. 1661
McCarty, J. C., Jr. 2206
McCarty, W. 317
McClaran, M. P. 234
McClay, K. 1104
McClay, K. L. 2367
McClean, P. E. 1731
McConaughy, B. 1185
McCoy, E. D. 2342
McCoy, T. J. 2715
McCreight, J. D. 578, 1320, 2845
McCutcheon, A. R. 2885
McDonald, J. A. 1190
McDonald, K. 461
McDonald, S. 106
MacDougal, J. M. 874
MacDougall, A. 23
McFerson, J. R. 142, 1938, 2704
McGill, C. R. 293
McGraw, J. B. 2514-2516
McGuire, P. 2138
McGuire, P. E. 1482
Machado, P. F. R. 14
Machlis, G. E. 1819
McInnis, T. M., Jr. 1858
McIntyre, C. L. 1924, 2711
Macioti, M. 1501
Mack, R. N. 998-1000
McKenzie, B. 198, 1069
McKersie, B. D. 1318
Mackill, D. J. 2797
McLaughlin, S. P. 2110
McLean, G. 1463
McLean, K. S. 389
McLean, N. L. 336
McMillan, R. T., Jr. 2896
McNay, J. W. 1922
McNeal, D. W. 940
McNeely, J. A. 1546, 2272, 2272
McNeil, D. L. 1999
McPherson, G. R. 2655
Madani, L. 2419
Madeley, J. 246
Mader, H. J. 2275
Madhav Gadgil 2272, 2990
Madilov, N. Kh. 913
Madulid, D. A. 1494
Maekawa, M. 1130
Maffei, M. 2476
Magalhães, A. C. 1356
Magyar, G. M. 1914
Mahalakshmi, V. 659
Mahalingam, S. 2613
Maheshwari, M. L. 608
Mahmood, A. 2920
Maholi, M. 1806
Mai, D. H. 2494
Mai, K. K. 2471
Mainolfi, P. 1456
Maisonneuve, B. 680
Majewska, T. 649
Makhnovskaya, M. L. 2153
Makinson, R. O. 2434
Mal, B. 758
Malaurie, B. 1873
Małecka, J. 1666
Malhotra, A. 259
Malhotra, S. K. 2081
Malik, K. A. 344
Malinovs'kiĭ, K. A. 1755, 1799
Mallaber, C. A. 296
Mallick, R. 603
Mallick, U. C. 2693
Mallory-Smith, C. 2938
Malmgren, S. 1116
Malusà, E. 2948
Malvar, R. A. 174
Mamaladze, M. N. 2735
Manabe, H. 2024
Mancini, M. 487
Mandžgaladze, D. 2549
Manga, V. 830
Mangla, B. 2196
Mangotra, R. 596
Manhart, J. 2357
Mann, D. G. 2306
Mann, T. L. 243
Manners, J. M. 1928
Mannetje, L. 't 2242
Manoharan, S. 537
Manríquez, M. 2182
Mansfield, B. K. 4
Manshardt, R. M. 1382
Manuil'skiĭ, V. D. 1126
Manzanera, J. A. 1157
Manzer, F. E. 1309
Mao, Z. S. 2857
Marani, A. 2077
Marañón, T. 2591
Marchan, E. 2836
Marchant, R. 2688
Marchesini, A. 1156
Marchis-Mouren, G. 62
Marconi, E. 565
Marcos Filho, J. 1105, 2645
Marcot, B. G. 794
Marcus, I. 2583
Margiotta, B. 519
Margules, C. R. 2280
Marie, D. 1895
Marini-Bettolo, G. B. 1831
Marinković, N. 2945
Marinov, I. 1159
Mark, A. F. 220
Markos, F. 1461
Marlín, A. 2150
Maroof, M. A. S. 456, 458
Marothia, D. K. 2614
Marpeau, A. 39
Marques, N. T. 2877
Márquez Alonso, L. C. 2377
Marriott, N. R. 2436
Marschewski, D. E. 932
Marshall, K. A. 2727
Martín, C. 1893
Martin, C. 1055
Martin, G. J. 2616
Martin, L. M. 615
Martin, T. J. 2155
Martin, W. J. 1122
Martín Ciudad, A. 2123
Martín Lobo, M. 771
Martinelli, L. 373
Martínez, A. P. 1891
Martínez, C. 1822
Martínez, E. 2608
Martínez, J. 1822
Martínez, M. 1602
Martínez, P. 2405
Martínez-Laborde, J. B. 1675
Martínez-Vázquez, O. 1891
Martiniello, P. 544
Martins, F. P. 1878
Martins, O. M. 2761
Marzo, T. 1856
Mascarenhas, A. F. 440
Masci, S. 448, 519

Maser, C. 1535
Mashhor Mansor 255
Masillamony, P. R. 2284
Masiunas, J. B. 2080
Maslenkova, L. I. 1254
Maslin, B. R. 889-890, 1610
Mason, A. 1469
Mason, B. 2207
Masound Sheidai 574
Masuda, M. 2664
Masuelli, R. W. 677, 1427, 2931
Máthé, Á. 1142, 2694
Matheson, C. 2399
Matheson, S. L. 336
Mathew, P. 1605
Mathew, S. P. 2408
Mathias, R. J. 382-383, 474
Mathur, J. 2698-2699
Mathura Rai 2852
Matoh, T. 2819
Matrínez, A. J. 542
Matsubara, S. 337
Matsubayashi, M. 815
Matsuo, E. 2208
Matsuoka, M. 1880
Matthes, L. A. F. 433
Matthews, S. 1107
Matumura, M. 997
Maury, Y. 1464
Maurya, M. L. 591
Maxted, N. 844, 1511, 1930, 2372
May, B. 134
May, C. E. 2513
May, J. 2398
May, P. H. 247, 2615
Mayer, J. 657
Mayer, M. 1979
Mayo, S. 1372
Mayr, E. 43
Mayr, J. 2607
Mayumi, J. 1955
Mazen, M. B. 1474
Maziero, R. 709
Mazurkiewicz, B. 1996
Mazza, G. 2651
Mazzafera, P. 1356
Mazzola, P. 876
Mazzuca, S. 2052
Measures, G. 604
Meave, J. 23
Mecelis, N. R. 2638
Meckenstock, D. H. 2015
Medina, M. I. 1279
Medina Filho, H. P. 2108
Medvedev, V. V. 1138
Meerow, A. W. 2451
Meeuse, A. D. J. 953
Megale, P. 312
Mehta, J. S. 2990
Mehta, S. L. 347
Meidan, E. 287
Meiering, A. G. 1004
Meijer, E. P. M. de 1225, 1359
Meiri, L. 2545
Mekouar, M. A. 805
Melchers, G. 469
Melchinger, A. E. 1946
Melchiorre, P. 2350
Melik-Sarkisov, O. S. 2719
Mel'nik, V. I. 2460
Menancio-Hautea, D. 1925
Mendes Ferrão, J. E. 2986
Mendiburn, A. O. 1427
Mendoza, H. A. 2183, 2936
Menezes, I. C. 1170
Menges, E. S. 1736
Mengesha, M. H. 276, 1030, 1037, 1220, 1421, 2550, 2756
Menghini, A. 1833
Mentis, M. T. 198
Menut, C. 2129
Menzies, N. K. 2323
Mercier, H. 436
Mercurio, R. 24
Meredith, L. 494
Mergeai, G. 2959
Mérillon, J. M. 488
Merker, A. 1391
Merkle, S. A. 381, 1892
Mermoz, M. 1055
Merwe, L. B. van der 502
Merwe, P. J. A. van der 502
Mes, T. H. M. 1954
Mesfin Tadesse 2443
Měsíček, J. 2359
Mesler, M. R. 152
Messana, I. 1831
Metakovskiĭ, E. V. 518
Metakovsky, E. V. 518
Metlitskaya, E. N. 2927
Metzlaff, M. 453
Meve, U. 1377, 2469
Mew, T. W. 536
Meyer, H. 2772
Meza, E. 1617
Meza, L. 10
Mi, W. G. 11
Miaki, T. 211
Miao, P. S. 1343, 1596
Miao, S. L. 1758
Michaelis, G. 1945
Michaux-Ferrière, N. 1883
Middleditch, B. S. 733
Miginiac, E. 1884
Mihaljčević, N. 2223
Mijatović, M. 2945
Mikami, T. 149, 2724
Miklas, P. N. 1931
Mikoláš, V. 828
Mil, R. van 1049
Miladinović, Ž. 2945
Miletić, R. 1344
Millar, C. I. 1530, 2495
Miller, A. G. 1033
Miller, C. N., Jr. 141
Miller, H. G. 2595
Miller, J. D. 702, 2198
Miller, J. F. 2193
Miller, J. S. 2413
Miller, K. R. 2279
Miller, P. 1655
Miller, R. 1504
Miller, R. B. 903, 1630
Miller, S. J. 2212
Miller, T. E. 449, 630
Millman, I. 2893
Min, S. K. 2987
Min, T. G. 296
Minami, M. 2535
Minella, E. 523
Minghetti, A. 2887
Miniati, E. 2519
Mino, Y. 125
Mione, T. 1015
Miranda Filho, J. B. 655
Mīrkīn, B. M. 1799
Miroshnichenko, A. I. 1254
Misas, R. 1531
Misra, K. K. 575
Misra, S. C. 1405
Mit, R. H. 573
Mital, S. P. 1380
Mitchell, J. D. 1603, 2420
Mitchell, R. J. 1885
Mitić, B. 937
Mitiku, D. 2777
Mititelu, D. 205
Mitra, D. 2408
Mitrikovskiĭ, A. Ya. 1289
Mitteau, M. 2137
Miyazaki, S. 2071
Mizuno, M. 1955
M'Kada, J. 412
Mmbaga, M. T. 557, 2056
Mochalova, O. V. 1601
Moe, S. 2546
Moffat, L. 1016
Mogea, J. P. 1494
Mohamed, F. 372
Mohamed, M. F. 670
Mohammad, N. 761
Mohan, M. 2415
Mohan, S. 1257
Mohan Munasinghe 2272
Mohan Raj, D. R. 2240
Mohanan, N. 917
Mohankumar, S. 537
Mohapatra, A. K. 2622
Mohr, O. W. P. 953
Mohri, Y. 469
Mok, D. W. S. 2674
Mok, I. G. 2936
Mok, M. C. 2674
Mokkadem, A. 176
Moll, E. 1069
Moll, E. J. 1793
Molnar, S. J. 457
Mom, M. P. 1016
Momonoki, T. 2163
Moncada, E. 2015
Mondal, S. N. 581
Monma, S. 2940, 2943
Mont, J. 2538
Montalti, P. 597
Montalvo, J. 2588
Monte, J. V. 2711
Montecinos, C. 1522-1523
Monteiro, M. F. 2586
Montenegro, G. 1080
Monti, L. 2046
Monti, L. M. 728, 2907
Montoro, P. 1884
Montorsi, F. 1455
Monyo, E. S. 2550
Moon, D. Y. 411
Mooney, P. R. 1815
Moore, A. W. 2240
Moore, G. A. 1941, 2849
Mora, A. 1144
Moraes-Fernandes, M. I. B. 628
Morales, C. 1673
Moran, G. F. 1951, 2525
Moran, K. 2609
Morán, M. 489
Morawetz, W. 2439
More, T. A. 688-689, 2504
Moreira, J. de A. N. 155
Morelock, T. E. 362, 2839
Moreno, A. 2591
Moreno, V. 370, 1196
Moret, J. 1566
Moretti, A. 2732
Moretzsohn, M. C. 154
Morgan, D. R. 1206
Morgan, V. 1541-1542, 2308-2309
Morgun, V. V. 1026
Mori, K. 335
Mori, S. A. 1568, 1625, 2609
Moriya, I. 2004
Mornan, K. 1386
Moroni, J. S. 2776
Morris, C. D. 1060
Morris, M. 1033
Morrison, D. A. 1104
Morrone, O. 829, 2354
Morton, J. F. 2899
Morwal, G. C. 440
Mosjidis, J. A. 290
Moss, J. P. 1200, 1351, 1441
Mosyakin, S. L. 61
Motte, G. 2965
Moualla, M. Y. 515, 1244
Mound, L. A. 1512
Moustafa, S. E. S. 684
M'Ribu, H. K. 1760
Mroginski, L. A. 350, 1121, 1485
Mshuda, J. 191
Muangkaewngam, A. 2680
Muehlbauer, F. J. 2174-2175
Mueller, R. J. 2037
Mugniéry, D. 1934
Mukai, Y. 662
Mukhopadhyay, A. 1943
Mukuru, S. Z. 1030-1031
Mulik, B. B. 2860
Mulinix, C. A. 2848
Muller, C. H. 2396
Müller, F. 1006
Müller, J. 1354
Mulligan, B. 2749
Mumtaz, N. 1876
Munasinghe, M. 2272, 2978
Munekata, M. 1145
Munger, H. M. 76
Munns, R. 629
Muñoz, C. E. 1773
Muñoz, V. 2890
Murakami, G. M. 1721
Muramatsu, M. 620
Murashige, T. 2185
Murata, J. 2441
Murata, M. 1093
Murata, T. 382, 474
Muratova, E. N. 1363
Murawski, D. A. 1750
Murdock, L. L. 2717
Murguía, G. 2377
Murín, A. 2120
Murphy, C. F. 1973, 2166
Murphy, J. P. 2007, 2511
Murray, B. G. 1764
Murthy, B. N. S. 308
Murto, M. 2180
Murty, U. R. 340
Mushinsky, H. R. 2342
Mushita, A. 1826
Musin, S. M. 1426
Muthaiyan, M. C. 2215
Muthappa, B. N. 2211
Mwalyosi, R. B. B. 1790
Mwangi-wa-Githinji 2272
Mwasumbi, L. B. 2391
Myburgh, W. J. 1788
Mycock, D. J. 319
Myers, J. R. 1731
Myers, N. 772, 1491, 2272
Myint Lwin 2891
Myo Nyunt 2556
Nabhan, G. P. 2608
Nadimpalli, R. G. 2373
Nagai, C. 701, 1442
Nagai, V. 433
Nagamine, T. 1265, 1267
Nair, G. M. 1898
Nair, T. V. R. 521
Naithani, H. B. 2268, 2347, 2478-2480
Nakagawa, H. 1880, 2163
Nakamura, C. 1444
Nakamura, M. 2208
Nakano, H. 1880, 2163
Nakasu, B. H. 2761
Nakat, R. V. 2860
Nakata, K. 1195
Nakata, M. 1369
Nakeeraks, P. 1303, 1732, 2177, 2375
Nakhla, M. K. 684
Namai, H. 2283
Namli, O. 387
Nance, W. L. 1203
Nandwani, D. 348
Nangia, S. 354
Naranjo, T. 969
Narayanasamy, P. 1349
Naredo, E. 1260
Narikawa, T. 2940
Narkiewicz, M. 1899
Naruhashi, N. 1336
Narvaez, J. 2706
Nassar, N. M. A. 1429
Nat, J. M. van der 2619
Nath, D. 1835
Nation, R. G. 2548
Naton, B. 703
Nautiyal, P. C. 314
Nautiyal, S. 175
Navaratnam, S. J. 1461
Naveh, Z. 1786
Nayak, S. 2859
Naz, M. S. 761
Nazaryuk, L. A. 1269, 2032
Ndungo, V. 1295
Neale, D. B. 456, 2727
Neena Kumari 442
Neena Pandey 259
Neeta Chandak 259
Nef-Campa, C. 2894
Negi, J. D. S. 2268
Negi, K. S. 2564, 2594
Negi, P. S. 2606
Negi, S. S. 2990
Negim, A. K. 2642
Negrean, G. 838
Negri, V. 264
Negumbo, E. 2550
Nelson, C. D. 1203
Nelson, D. L. 2802
Nelson, E. D. 2802
Nelson, R. 536

Nelson, R. J. 2167
Nelson, R. L. 548, 1219
Nemati, M. 759
Nemchenko, O. A. 1222
Nencini, A. 2085
Nene, Y. L. 1299
Nestby, R. 2090
Nestrowicz, R. 641
Netherlands, Centrum voor Plantenveredelings- en Reproduktieonderzoek 2217
Neufeld, R. 487
Neumann, D. 1897
Nevo, E. 505, 513, 1786, 2509, 2772-2773
Newbury, H. J. 476
Newsletter - Sugarcane Breeding Institute 1774
Newsome, P. F. 225
Newton, A. C. 2789
Newton, D. J. 391
Ng, N. Q. 180, 182, 565-566, 674-675, 728, 1769, 1973, 2755, 2928
Ng, S. Y. C. 2668, 2966
Nguen Khong Min' 1139
Nguyen, H. T. 451, 2712
Nguyen Dang Khoi 2556
Nguyen Phung Ha 2559
Nicese, F. P. 409
Nicholls, A. O. 2280
Nicolas, P. 1199
Nicoletti, M. 1831
Niconov, A. A. 2249
Nieddu, G. 588
Niedz, R. P. 1438
Niekisch, M. 2609
Nielsen, I. 110
Nielson, D. C. 285, 2171, 2808
Niemeyer, H. M. 1234, 2788
Niesenbaum, R. A. 1021
Nieto Feliner, G. 171, 927
Nigg, H. N. 2979
Niino, T. 1141
Nik Idris Yusoff 610
Niklasson, M. 1960
Nikolaev, A. G. 707
Nikolić, T. 937
Nikonov, A. A. 2249
Niks, R. E. 651
Nilsson, A. 2703
Nilsson, L. A. 2547
Nishi, Y. 361
Nishikawa, K. 2327, 2509
Nishio, T. 2940
Nishiyama, I. 976
Nitta, A. 2898
Niu, P. 2866
Nixon, K. C. 2393, 2396
Niyomdham, C. 1586
Njwe, R. M. 196
Noin, M. 1895
Noir, F. A. de 2764
Noirot, M. 1152
Noomhorm, A. 1462
Nor Azah, M. A. 2874
Norgaard, R. B. 1546
Normah, M. N. 1096
Norstog, K. 399-400
Norton, D. A. 2277
Norton, M. R. 8
Noss, R. F. 1509
Novák, F. 1468, 1871
Novak, F. J. 472
Novák, J. 954-955
Novembre, A. D. C. 1105
Novembre, A. D. L. C. 2645
Nowack, R. 58
Nowak, J. 336
Nozzolillo, C. 2369
Nuez, F. 577, 580, 687, 2560-2561
Nugraha, U. S. 292
Núñez, V. M. 1386
Nyachiro, J. M. 2778
Nyandiga, C. O. 2655
Nyman, U. 2742
Nyman, Y. 1018
Nyochembeng, L. 357
Nys, A. M. de 538
Oakeley, H. F. 2457
Obadi, N. 1033
Obaji, U. A. 579, 582
Obanni, M. 1767
Obón-de-Castro, C. 748
Obradović, A. 2945
O'Brien, J. 405
Ochoa-Alejo, N. 366, 1146
O'Connell, M. A. 683, 1509
O'Connor, T. G. 197
Oda, Y. 2091
O'Donoughue, L. S. 1182
Ofterdinger-Daegel, S. 2475
Ogata, K. 901
Ogihara, Y. 450, 2734
Oginuma, K. 2406
Ognjanov, V. 2288
Oh, S. D. 376
Ohara, M. 149, 547
Ohashi, H. 1583, 2382
Ohayon, D. 256
Ohba, H. 931, 1667, 2383, 2438, 2449
Ohba, K. 2734
Ohe, K. 620
Ohmori, Y. 337
Ohnishi, O. 812
Ohsugi, R. 341
Ohta, T. 620
Ojima, M. 1878
Oka, H. I. 993-994, 1742, 1849
Okada, M. 2540
Okafor, J. C. 247, 2961
Okamura, M. 1424
Okamura, N. 491
Okayama, K. 2084
Okezie, C. E. A. 2937
Okonkwo, S. N. C. 2937
Oksman-Caldentey, K. M. 2695
Okuno, K. 753
Okwuosa, V. N. 2897
Okwuowulu, P. A. 2131
Ola-Adams, B. A. 1053
Olde, P. M. 2436
O'Leary, J. W. 2677
Oleszek, W. 2369
Ölez, H. 2140
Olickers, T. 2099
Oliphant, J. 410
Oliva, M. 1971
Oliva, N. P. 2167
Oliveira, M. do S. P. de 1044, 1223
Oliver, E. G. H. 919
Olivier, J. M. 710
Olivier, L. 1776
Olmstead, R. G. 1178
Olonova, M. V. 832
Olsson, G. 247
Olsvig-Whittaker, L. S. 1786, 2583
Oluwadare, T. O. 1467
Olwell, P. 808
Om Kumar 2268
Omar, O. 2556
Omar, S. A. S. 217
Omondi, C. O. 2075
Omran, A. 2223
Omura, M. 1439
Onabanjo, A. O. 602
Onay, A. 387
O'Neil, J. F. 2586
O'Neill, C. M. 474
Onisei, T. 1172, 2741
Ono, S. 1725
Onokpise, O. U. 357, 2539
Oomah, B. D. 2651
Oomes, M. J. M. 221
Oosterhout, S. A. M. van 2352
Oosterom, E. J. van 1250
Opole, M. 1521
Ordás, A. 174, 2073
Ordentlich, A. 505
Orellana, J. 2157
Orf, J. H. 548
Orians, G. H. 1513
Orjeda, G. 2538
Orozco Vílchez, L. 1076
Ortega, R. 2502
Ortiz, J. M. 89, 2385
Ortiz, R. 897
Ortiz, S. 1062
Ortolani, A. A. 1564
Osborn, T. C. 1944
Osborne, D. J. 268
Osborne, R. 2685
Osetrova, O. Ĭ. 1698
Osuala, F. O. U. 2897
Ota, Y. 5
Ottonello, D. 876
Otu, K. A. 1473
Ouazzani, C. 1562
Ouazzani, N. 2512
Ouborg, N. J. 2532
Owens, S. J. 494
Oyama, K. 1830
Oza, G. M. 2268
Özgen, M. 639
Ozias-Akins, P. 1922, 1933
Özkanca, R. 200
Pääbo, S. 1919
Paal, T. 2949
Padhya, M. A. 439
Padulosi, S. 173, 181-182, 2755
Padutov, V. E. 101, 1751
Paek, K. Y. 427
Page, C. N. 2306
Pagliarini, M. S. 2892
Paino D'Urzo, M. 563-564
Pais, M. S. S. 2877
Pal, B. 2474
Palacios, R. A. 1016
Palacios-Rios, M. 2768
Palakarcheva, M. 1445
Palanisamy, V. 294
Paliwal, S. 273
Palmer, J. D. 1178
Palmer, R. G. 1584
Palomino, G. 2405
Palser, B. F. 916
Pammenter, N. W. 319-320, 1855
Pan, D. J. 2128
Pan, T. 2440
Panayotov, I. 695
Pandey, C. B. 1797
Pandey, D. K. 2644
Pandey, H. N. 638
Pandey, N. 259
Pandey, P. 1133
Pandey, R. 359
Pandey, S. 2791
Pandeya, R. 2202
Pandita, V. K. 175
Panella, L. 2522
Panetsos, K. P. 2113
Pang, C. M. 2427
Panis, B. J. 1136
Pankaj Khullar 2268
Pant, K. C. 1046
Paoletti, M. G. 783
Papineau, J. 1036
Pâques, M. 327, 1160
Paradies, T. 666
Parakh, D. B. 1465
Paralikar, K. M. 595
Parameswaran, M. 313
Paramjeet Cheema 1383
Pardini, A. 2042
Park, E. H. 376
Park, J. 2692
Park, K. Y. 2018, 2799
Park, R. K. 2018, 2799
Parkin, I. 2726
Paroda, R. S. 2251
Parokonny, A. S. 494
Parrotta, J. A. 2272
Parry, D. 2617
Parson, A. E. B. 2813
Parsons, J. M. 2962
Partners in Research for Development 1245
Parvathy, K. 2867
Pascual, M. J. 700
Pasquale, G. di 1659
Pastor, J. 1284
Patel, R. N. 1203
Paterson, A. 1368
Pati, D. 535
Patil, N. B. 595
Patil, R. C. 2860
Patil, T. S. 2407
Patil, V. P. 1405
Paton, A. 956
Paton, N. H. 2388
Pattanavibul, S. 2559
Patterson, E. B. 498, 1969
Pattison, G. A. 2769
Paul, H. 326, 2199
Paulet, F. 2678
Paulitz, T. C. 2213
Pauls, K. P. 1318
Pavlov, A. V. 681
Pavlova, I. 503
Pavlovic, N. B. 1027
Pavone, P. 857-858
Pawełczak, A. 1423
Payne, J. A. 875
Pearce, D. K. 2087
Pearce, K. G. 1494
Pearl, M. 2970
Pearson, D. 809
Pecetti, L. 511, 517, 1243, 1995, 2774, 2781-2782
Peco, B. 2635
Pedalino, M. 563-564
Pedersen, A. 868
Pederson, G. A. 2039
Pederson, H. B. 2615
Pedley, L. 1612
Pedro, L. G. 2877
Peet, R. K. 1579, 2587
Pehu, E. 1187, 2065, 2180, 2718, 2831
Pei, C. J. 2951
Pelleau, Y. 2395
Pellegrineschi, A. 1868
Peloquin, S. J. 1428, 2067, 2179
Peltre, G. 2034
Peluso, N. L. 2323
Peña-Chocarro, L. 1716
Pence, V. C. 2682
Pendelton, L. H. 2609
Peng, S. A. 38
Peng, S. Q. 1262
Peng, Y. J. 2205
Penker, A. 2978
Pental, D. 1573, 1943
Pepin, H. S. 2188
Pereira, A. V. 1231, 2068
Perellino, N. C. 2887
Pérez, C. 421, 1094, 1164, 1893
Pérez, R. 1902, 2701
Pérez-Amador, M. C. 2377
Pérez-Bermúdez, P. 1208
Pérez-García, F. 321, 1094
Perez-Gonzales, S. 2847
Pérez-Souto, N. 604
Perrault, A. 1199
Perret, P. 612
Perret, P. M. 2135, 2142, 2224
Perrier, X. 613
Perrings, C. 2272, 2272
Perrino, P. 46, 181, 184, 267, 566, 1032, 2274, 2376, 2551
Pershina, L. A. 1179
Persley, D. M. 691
Persley, G. J. 2244
Persoon, J. G. M. 92
Persson, J. 1685
Persson, K. 1685
Peters, C. R. 2625
Peters, R. L. 2982
Petersen, G. 648
Peterson, C. J., Jr. 623
Peterson, C. M. 1885
Peterson, P. M. 132, 842
Petrini, C. 597
Petrov, G. L. 1253
Petrova, A. E. 1233
Pettersson, B. 2547
Pfeiffer, W. H. 509
Phatak, S. C. 2373
Philipson, M. N. 916
Philipson, W. R. 916
Phillips, D. 1463
Phillips, G. C. 2173
Phillips, M. 1930
Phillips, O. 2600-2601
Phillips, T. D. 2007, 2511
Phillipson, J. D. 954-955, 2737, 2886
Phipps, J. B. 80
Phul, P. S. 554

Phupaibul, P. 2819
Piare Lal 2960
Picard, E. 628
Picca, P. 1016
Piccirilli, M. 2172
Pickersgill, B. 1436, 2103, 2170
Pickett, G. A. 197
Piechulla, B. 2772
Pienaar, B. J. 2374
Piergiovanni, A. R. 566
Pierson, J. 461
Pieta Filho, C. 1097
Pieters, M. M. J. 2832
Pietri, D. E. de 1810
Piewluang, C. 792
Pignone, D. 46, 184, 1990, 2828
Pilch, J. 2154
Pillen, K. 1946
Pilowsky, M. 2946
Pimenov, M. 614
Pimenov, M. G. 2348
Pimentel, D. 783
Pineda, F. D. 2588
Pinsker, W. 1006
Pinton, F. 2615
Piper, J. K. 2818
Pipoly, J. J., III 1613, 1646-1647, 2413
Piras, M. M. 2836
Piras, R. 2836
Pirl, M. 2533
Piskaut, P. 902
Pistorius, R. 1500, 2316-2317
Pistrick, K. 34, 2325
Pita, J. M. 321
Pittman, R. N. 2675
Plaisted, R. L. 2933
Playford, J. 1950
Pleasants, J. M. 2546
Plekhanova, M. N. 1340, 1601
Plessis, H. du 1578
Ploszynski, M. 2369
Plotkin, M. 2977
Plucknett, D. L. 1515
Plyuta, P. G. 1056
Poblete, V. 1080
Pocceschi, N. 2519
Podlech, D. 70, 849
Podstolski, A. 310
Podyma, W. 2139
Pohjonen, V. 1364
Pohl, R. W. 831, 837
Pohořelá, M. 2760
Poisson, J. 2880
Pokhriyal, T. C. 2268, 2347
Polgár, Z. 1150, 2934
Politano, L. 2843
Polozhenets, V. M. 1422
Polprasid, P. 13
Poltronieri, M. C. 1170
Ponnuswami, V. 1362
Pontis, C. 2510
Popek, R. 1666
Popov, A. S. 1900
Popova, E. I. 664
Popović, M. 2474
Popovich, S. Yu. 1782
Poppendieck, H. H. 95
Porceddu, E. 448, 517, 519, 1238, 1482, 1738-1739, 2250
Porcelli, S. 2851
Porta-Puglia, A. 1455
Porter, C. 1104
Porter, D. R. 508, 2780
Porto, M. C. M. 2967
Posey, D. A. 2607
Postel, S. 806
Poswal, M. A. T. 318
Potoček, J. 1468
Potter, J. W. 2094
Poverene, M. M. 1279
Powell, A. A. 1107-1108
Powell, K. S. 504
Powell, L. E. 305
Powell, W. 464, 1188, 1200, 1930
Power, J. B. 1876, 2209, 2688
Poyarkova, H. 45
Pozhidaev, A. E. 2543
Pradhan, A. K. 1943
Prakasam, V. 1293, 1339
Prakash, S. 1347, 1943
Pramanik, S. 532
Prana, M. S. 2276
Prance, G. 246
Prance, G. T. 882, 1637, 1639
Prasad, K. 1266
Prato, D. A. 2377
Preez, P. J. du 1064
Preiszner, J. 678, 2934
Prendergast, H. D. V. 699, 775, 1034, 1051, 2567
Prentice, H. C. 493
Presber, W. 1378
Prescott, J. 2320
Pretorius, J. 2689
Primack, R. B. 1758, 2529
Primavesi, A. L. 1226
Prince, J. P. 1192
Princen, L. H. 2954
Pringle, G. J. 1764
Probert, R. J. 1851, 1861
Proft, M. P. de 1136
Profumo, P. 2728
Proto, M. 2851
Provvidenti, R. 1321-1322, 1432
Prudnikov, A. D. 1802
Prudnikova, A. G. 1802
Prutpongse, P. 2700
Pryer, K. M. 2341
Prytz, S. 691
Przybylska, J. 854, 1291
Pu, H. 77
Pu, Y. 2844
Pucheta, E. 2581
Puente, F. de la 2562
Puhakka, M. 2366
Puka, G. B. 2767
Pukkala, T. 1364
Pulido, C. M. 404
Pundeva, R. 1140
Pundir, R. P. S. 179, 546, 559, 1037, 1220, 1299, 1421
Pungu, O. 1873
Punia, M. S. 385
Pupilli, F. 665, 1867
Purdie, K. A. 630
Purdy, L. H. 1045
Puterka, G. J. 508
Puttoo, B. L. 1476
Puy, D. J. du 851
Puyvelde, L. van 1834
Pykälä, J. 1577
Pysova, M. T. 707
Qamar, I. A. 761
Qian, S. Y. 2205
Qian, Y. T. 1396
Qian, Y. Y. 128
Qiang, K. B. 2864
Qiang, X. R. 2864
Qiao, Y. Z. 306
Qin, H. Z. 2070
Qiu, J. Z. 1369
Qu, L. P. 1600
Qualset, C. O. 1392, 1482
Quarín, C. L. 165
Quarrie, S. A. 2920
Quesenberry, K. H. 345-346
Quézel, P. 1659
Quinn, C. J. 984
Quinn, F. C. 2401
Quiros, C. F. 1389, 2502
Quresh, Z. 2856
Qureshi, J. A. 414, 1127
Quronfilah, N. E. 579, 582
Raamsdonk, L. van 2502
Raamsdonk, L. W. D. van 859, 1431, 1594
Rabakonandrianina, E. 2547
Rabeia, B. M. B. 2044
Rabinowitch, H. D. 360
Racusen, D. 1310
Racusen, R. 1310
Radhakrishnaiah, M. 2471
Radhamani, J. 377
Radika Devi 2215
Radošević, J. 2061
Raeber, A. C. 322
Raffauf, R. F. 1829
Rafi, M. M. 1242
Rafii, Z. 103
Rafii, Z. A. 2395
Ragot, M. 2013
Raharivelomanana, P. 2878
Rahman, S. M. 375
Rai, K. N. 2794
Rai, M. 591, 2852
Raimondo, F. M. 876
Raina, S. N. 1559
Raj, S. 1358
Rajanaidu, N. 1043, 2146
Rajaram, N. 2821
Rajgopal, K. 2104
Rajhathy, T. 2006
Rajora, O. P. 1949
Raju, D. S. 659
Raju, S. G. 1301
Rajyalaxmi, B. 2471
Rakotomalala, J. J. R. 1606, 2109
Ralph, W. 619, 2779
Ram, H. Y. M. 349
Ramachandra Guha 2990
Ramachandran, N. 2121
Ramaiah, H. 1111
Ramakrishna, K. 2976
Ramalingam, R. S. 698
Ramawat, K. G. 348
Ramayya, N. 923
Ramcharun, S. 1014
Ramesh, K. 439
Ramesh Rao, K. 2876
Ramírez, C. 1079
Ramirez, D. A. 656
Ramírez, M. C. 651
Ramírez-Malagón, R. 1146
Ramos, C. H. 2608
Ramsay, G. 1930, 2170
Ramundo, E. 1833
Rana, A. 1020
Rana, B. S. 526
Rana, R. S. 496, 2258, 2556
Ranajit Mallick 603
Rancillac, M. 358, 393
Randle, W. M. 572, 1314
Ranfa, A. 2519
Ranganatha, A. R. G. 1888
Rangappa, M. 178
Rangasamy, S. R. S. 698
Rangaswamy, K. T. 1304
Rangel, P. H. N. 533
Rani, N. S. 535
Raniah, H. M. 573
Ranjit Singh 2461
Rao, G. N. 658
Rao, G. V. S. 546
Rao, J. N. 1299
Rao, J. S. 1047
Rao, J. V. D. K. K. 546
Rao, K. E. P. 527
Rao, K. P. 659
Rao, K. R. 2876
Rao, M. R. G. 567
Rao, M. V. S. 830
Rao, N. B. 686
Rao, N. K. 298, 527
Rao, P. P. 923
Rao, P. S. 486
Rao, R. 563-564
Rao, R. D. V. J. P. 1351
Rao, S. A. 276, 1030-1031, 2550
Rao, S. R. 359
Rao, V. N. M. 2252
Rao, V. P. 2794
Rao, V. R. 1351
Rao, V. S. P. 1405
Rao, Y. S. 830
Rapilly, F. 1985
Rapson, G. L. 538
Raseira, A. 2761
Raseira, M. C. B. 2761
Rashal', I. D. 913
Rashid, M. A. 581
Raskin, I. 505
Rasmussen, I. R. 2518
Rassokhina, V. V. 1802
Rathinasabapathi, B. 2797
Rathore, T. S. 379, 398, 435, 1896
Ratiani, N. K. 2766
Ratnambal, M. J. 441
Rauf, C. A. 713
Ravaonoro, S. 2556
Ravel, C. 2806
Raven, P. H. 747, 906, 2406
Ravetta, D. A. 2112
Rawat, A. S. 2990
Rawat, J. K. 2268
Rawat, Y. S. 2597
Rawlings, J. O. 2351
Ray, J. G. 214
Read, J. 894
Reader, S. M. 449
Rebelo, A. G. 787
Rebetzke, G. J. 676
Rebhuhn, B. J. 2674
Reboud, X. 1921
Redclift, M. 804
Reddy, A. S. 1351, 2407
Reddy, B. M. 658
Reddy, D. V. R. 1351
Reddy, G. M. 2058
Reddy, G. V. 1421
Reddy, L. J. 672
Reddy, M. R. 178
Reddy, M. V. 1300, 2060
Reddy, P. G. 139
Reddy, Y. N. 308
Redmann, R. E. 520
Reed, B. M. 371
Reed, H. E. 2049
Reed, S. M. 817
Reeves, J. 1450
Refahy, L. A. 607
Reichard, S. H. 136
Reichert, N. A. 389
Reid, R. 2136, 2207
Reid, W. V. 1493, 2279
Reinhard, E. 485, 1171
Reining, C. 2608
Reitsma, K. R. 1012
Remanandan, P. 500
Ren, R. J. 188
Ren, Z. B. 1338
Ren, Z. J. 1988
Renard, P. 1902
Renault-Lescure, O. 2615
Rengel, Z. 2783
Rensburg F. P. J. van 52
Renzo, M. A. di 1279
Řepka, R. 2814
Rerkasem, B. 2641
Resta, P. 1706
Rethman, N. F. G. 1059, 2637
Rey, H. Y. 350
Rey Benayas, J. M. 2584
Reynaud, J. 35
Reynoird, J. P. 1895
Reynoso, E. 1847
Rherissi, B. 1921
Rho, D. 1952
Rhodes, B. B. 690, 1109
Rice, K. 1728
Rice, K. J. 998-1000
Ricek, E. W. 120
Richards, A. J. 979
Richards, G. D. 380
Richards, M. 2610
Richardson, D. M. 1005
Rico Arce, M. de L. 1640, 2400
Ricotta, J. A. 2080
Ridder-Numan, J. W. A. 961
Rideau, M. 488
Rieseberg, L. H. 153, 1540
Riess, W. 2296
Riffat, S. 2130
Rikhari, H. C. 2597
Rimmer, S. R. 1345
Rimpler, H. 2886
Ring, D. R. 594
Rioja, G. 2615
Rish, S. 1104
Ritchie, J. C. 53
Ritter, E. 1934
Rivera, W. M. 779
Rivera-Núñez, D. 748
Rivers, B. A. 2721
Roa, N. K. 276
Roach, B. T. 2388
Roath, W. W. 1092
Robatche-Claive, A. S. 1137
Robbertse, P. J. 2685

Robbins, S. 1376, 1696, 2456, 2881
Roberts, E. H. 278, 298, 1101, 1791, 1852
Roberts, M. F. 2737
Roberts, P. A. 1230, 2076, 2185
Robertson, K. R. 80
Robertson, L. D. 1483, 2047
Robinson, E. R. 1741
Robinson, H. 1648
Robinson, H. F. 137
Robinson, J. G. 2278
Robinson, M. 2207
Robinson, R. W. 76
Robinson, S. J. 2721
Roblot, F. 2890
Robson, A. D. 67-68, 543
Roca, W. M. 1120-1121, 1386, 1485, 1936
Rocha, E. M. M. 1837
Rocha e Silva, S. 1089
Rock, J. 1978
Röder, M. 1182
Rodeva, R. 1317
Rodriguez, A. 2883
Rodríguez-Garay, B. 1168
Rodríguez-Hernández, M. C. 1843
Rodriguez-Oubiña, J. 1062
Roeckel, P. 2666
Roelofs, J. G. M. 2429
Roeth, F. W. 1848
Roger, P. A. 1227
Rogers, W. J. 449, 630
Rogstad, S. H. 1984
Rohlf, D. J. 32
Rohrer, J. R. 80
Roig, L. A. 370, 1196
Rojas, M. 786
Romagosa, I. 1444
Romano, B. 2519
Romero, G. A. 945, 948, 950, 2462
Romero, M. 10
Romisondo, P. 2948
Ron, A. de 2053
Ron, A. M. de 174, 1745, 2054-2055, 2827
Ronco, L. 2953
Roopali Singh 2121
Roos, E. E. 1957, 2648
Rooyen, N. van 1787, 1794
Rosa, L. de la 150
Rosales, J. 23
Rose, R. 789, 811
Röser, M. 2335
Rossel, H. W. 2966
Rossignol, L. 463, 2932
Rostova, N. S. 866
Roti-Michelozzi, G. 2043
Rotta, C. la 2608
Roundy, B. A. 282
Roupakias, D. 1248
Rourke, J. P. 102
Roussel, J. 1114
Rout, G. R. 2676, 2693
Rout, R. C. 1657
Routman, E. J. 1938
Rouwendal, G. J. A. 1945
Roux, J. J. le 392
Roy, P. K. 347
Roy, S. C. 2696
Royer, J. C. 492
Royse, D. J. 134
Rraar, H. S. 671
Ruan, Y. L. 875
Ruaud, J. N. 1160
Rubaihayo, P. 1030
Rubenthaler, G. L. 623
Rubiales, D. 651, 2150
Rubluo, A. 1168, 1891
Rubtsov, M. I. 664
Rudd, V. E. 2404
Rudich, J. 2077
Rudloff, E. von 914
Rúgolo de Agrasar, Z. E. 1010
Ruhiyat, D. 732
Ruitenbeek, H. J. 776
Ruiz Regón, M. 1673
Ruredzo, T. J. 1865
Rushforth, K. 81
Rusoke, D. G. 1031
Russell-Smith, J. 1534
Russi, L. 1791, 1852
Ruyle, G. B. 234
Ryan, C. A. 1194, 2706
Ryan, J. C. 1517
Ryan, P. A. 2207
Rydberg, P. A. 467
Saade, R. L. 2379
Saario, S. 1577
Sabir, A. 476
Sabitov, A. M. 2924
Saccardo, F. 2843, 2929
Sachan, J. K. S. 1991-1993, 2011-2012, 2030
Sadowska, A. 1899
Saenong, S. 275
Saghai Maroof, M. A. 455-456, 458
Sagnia, S. B. 2603
Sagolili, D. P. 269
Sah, V. K. 208
Sahoo, B. K. 2829
Said, I. M. 610
Saiki, K. 968
St. Clair, D. A. 2540, 2722
St. Piere, R. G. 2947
Sakai, A. 363, 1141, 2665
Sakai, S. 997
Sakai, Y. 2330
Sakamoto, S. 643, 973, 1398
Sakata, Y. 2208, 2940, 2943
Saklani, A. 2624
Sakunnarak, N. 293
Salafsky, N. 2269
Salah, H. B. 768
Salamini, F. 1934
Salazar, R. 1532
Sales, F. 63, 2363
Salesses, G. 2953
Salick, J. 1720, 2608
Salmanowicz, B. P. 854-855
Salmeri, C. 857-858
Salo, J. 2366
Salomon, B. 56, 835, 2033
Salvesen, P. H. 1366
Salvidio, S. 2397
Samaras, S. 2553, 2758
Samija, M. D. 2738
Samitou-Laprade, P. 1947
Sammour, R. H. 2356
Samorodova-Bianki, G. B. 866
Samosir, Y. M. S. 2565
Samresh Dwivedi 1046
Samsudeen, K. 441
Samsudin, M. W. 610
San, X. Z. 1259
San Martín, C. 1079
Sanada, T. 11
Sánchez, J. M. 2541
Sánchez de Jiménez, E. 1847
Sánchez G., J. J. 49, 2351
Sánchez Tamés, R. 432
Sánchez-Vindas, P. E. 2410
Sánchez-Yélamo, M. D. 89, 1592
Sandbrink, J. M. 1954
Sanders, L. L. 2446
Sandhu, J. S. 671
Sandral, G. A. 2812
Sands, A. R. 2802
Sanford, D. A. van 265
Sanford, L. L. 2181
Sanghamitra, N. 422
Sangwan, R. 326
Sangwan, R. S. 386, 725
Sangwan-Norreel, B. 326
Sangwan-Norreel, B. S. 386, 725
Sanjiv Gupta 637
Sanka, S. 2268
Sankhla, A. 334, 353
Sankhla, D. 334, 353
Sankhla, N. 334, 353
Sano, Y. 1414, 1713, 1729
Santalla, M. 2054-2055
Santamaría, J. 1757
Santana, R. 370, 1196
Santen, E. van 2807
Santis, G. de 544
Santisuk, T. 2418
Santoni, S. 475, 1201
Santos, A. M. 2761
Santos, G. dos 903
Santos, M. X. 655
Santos-Filho, D. 2889
Santos Pereira, M. A. dos 2892
Sapra, V. 178
Saradhi, P. P. 442
Saranga, Y. 682, 2077
Sarasan, V. 1898
Saraswati, R. 2819
Sarin, Y. K. 2305, 2875
Sarkar, P. K. 575
Sarkar, R. 1559
Sarkar, S. 2990
Sarma, B. K. 2858
Sarma, P. K. S. 731
Sarmiento, G. 1796
Sarr, A. 1114
Sarrafi, A. 1863
Sarria, R. 1936
Sas. Biswas 2416
Sasahara, T. 364
Sasakuma, T. 450, 2671, 2734
Sashara, T. 1135
Sastroutomo, S. S. 1457
Sastry, D. V. S. S. R. 500
Satish Chandra 2858
Sato, H. 2163
Sato, M. 1872, 2627
Sato, T. 339, 2681
Šatoh, C. 73
Šatović, Z. 2061
Saumitou-Laprade, P. 1945
Saunders, D. A. 726
Sauvain, M. 2880
Savchenko, A. P. 1132
Savige, T. J. 105
Sawyer, D. R. 1837
Sawyer, R. L. 1903
Saxena, A. K. 208
Saxena, K. B. 672
Saxena, N. P. 546
Saxena, O. P. 259
Saxena, P. K. 344, 414
Saxena, R. C. 2029
Sayer, J. 796
Sayer, J. A. 1493
Scaltsoyiannes, A. 2113
Scanlan, J. C. 1078
Scannerini, S. 2476
Scarascia Mugnozza, G. T. 2904
Scarpa, G. M. 665, 1867
Scarvelis, J. 2207
Schaal, B. A. 1938, 1984
Schaalje, G. B. 2658
Schachtman, D. P. 629
Schammass, E. A. 2638
Schandelmaier, A. 2886
Schatz, G. E. 1631
Scheepers, J. C. 1063
Scheffer, J. J. C. 2877
Scheiner, S. M. 2584
Schel, J. 2939
Scheltema, M. 2207
Schertz, K. F. 2016
Schilde, L. 1935
Schippa, C. 2878
Schirmer, C. 2572
Schlarbaum, S. E. 1713
Schmid, J. E. 1994
Schmidt, E. 2502
Schmidt, J. M. 1019
Schmidt, W. 2285
Schmidt-Vogt, D. 1084
Schmiediche, P. E. 2537
Schmit, V. 1296
Schmitt, J. 1756
Schneeberger, R. G. 1948
Schneider, S. M. 2203
Scholl, R. 2751
Scholz, A. 2285
Scholz, H. 50, 827-828, 834, 2353, 2362, 2365
Schomaker, W. 1798
Schoofs, J. 501
Schott, G. 1664
Schottländer, B. 2742
Schripsema, J. 2739
Schrire, B. D. 1665
Schubert, V. 453
Schuck, S. M. 2110
Schücking, H. 2236, 2238
Schuette, C. 2603
Schulte Bocholt, A. 1798
Schultes, R. E. 1829, 2607
Schultze-Mekel, J. 2325
Schultze-Motel, J. 34
Schulz-Schaeffer, J. 1404
Schulze-Kraft, R. 2559
Schumacher, E. 2122, 2124
Schuster, W. 461
Schütte, H. R. 484
Schwartz, M. W. 2326
Schwarzacher, T. 449
Schweizer, G. 1935
Schwendiman, J. 91
Scienza, A. 373
Scortichini, M. 1453
Scorza, R. 1942
Scott, C. L. 1684
Scott, G. 2452
Scura, L. F. 2272
Sears, B. B. 462
Sears, E. R. 1482
Seberg, O. 6-7, 44, 1572, 2364
Sebsebe Demissew 881
Sech, L. le 667
Sechnyak, A. L. 2153
Second, G. 1926
Sedjo, R. A. 1510, 1553
Seemann, P. 10
Segura, J. 402, 1208, 1856
Seigler, D. 2979
Seignobos, C. 91
Seiler, G. J. 692, 770, 2193, 2835
Seitz, A. 2983
Seitz, V. 1171
Sekiya, J. 2819
Selby, C. 405
Selimov, F. A. 1460
Sell, Y. 425
Sen, J. 434
Sen, S. 422, 430
Şen, S. M. 2853
Senadhira, D. 2166
Senatore, F. 1833
Sendulsky, T. 958
Senina, E. G. 1334
Senula, A. 641
Sergio, L. 2757
Serieys, H. 2956
Serquen, F. 2183
Serrano, J. M. 1065
Seshadri, V. S. 2504
Seshu, D. V. 2029, 2143
Seth, P. K. 1358
Sethi, K. L. 608, 1380
Sethi, N. 1835
Sevestre-Rigouzzo, M. 2894
Shackleton, C. M. 198
Shagarodsky, T. 2376
Shah, T. M. 2022
Shakaryan, Zh. O. 2913
Shalaby, G. I. 2082
Shambulingappa, K. G. 1304
Shamsher Singh 1465
Shamsutdinov, Z. Sh. 1269, 2032
Shan, H. S. 1240
Shand, H. 1905, 2318
Shands, H. L. 1973, 2166, 2225
Shang, S. G. 2823
Shang, Y. X. 1259
Shanker, S. 349
Shanks, C. H., Jr. 1773
Shanks, E. 745
Shanley, P. 238
Shanthamma, C. 437
Shao, R. C. 550
Sharad Kukreti 2416
Sharief, M. U. 1901
Sharma, A. 2900
Sharma, A. K. 434, 1331
Sharma, B. 1464
Sharma, K. P. 284
Sharma, M. P. 1088
Sharma, N. 1022
Sharma, P. C. 1560
Sharma, S. D. 2556
Sharma, S. K. 2268

Sharma, S. R. 554
Sharon, D. 1198
Sharpe, A. 2726
Sharrock, S. 185-186, 471
Shastri, C. 2990
Shaw, S. 809
Shchegebaev, O. Sh. 1395
She, M. L. 1700
Sheffield, E. 2307
Sheidai, M. 574
Sheil, D. 1809
Shekhawat, N. S. 379, 398, 1896
Shelar, V. R. 2630
Sheldon, J. W. 238
Shen, F. Y. 2197
Sheo Raj 1358
Shepherd, G. 246
Shepherd, K. 85
Sherchand, K. 2800
Sherman, W. B. 2849
Sherman-Broyles, S. L. 1007, 2527
Shete, M. B. 1763
Shevelukha, V. S. 1269, 2032
Shevera, M. V. 107
Sheviak, C. J. 121
Shevtsov, V. M. 525
Shewry, P. R. 741
Shi, B. K. 2095
Shi, M. 449
Shi, Z. L. 2951
Shifriss, C. 2946
Shigenaga, S. 534
Shimamoto, Y. 149, 547, 2724
Shimasaki, K. 1167
Shimizu, N. 2163
Shimizu, Y. 235
Shimomura, K. 490-491
Shin, H. 109
Shin, H. C. 920
Shindrova, P. 1348
Shinozaki, S. 1439
Shiota, S. 620
Shirokov, A. I. 1254
Shiryaeva, G. A. 406
Shiva, V. 1520, 2236, 2238, 2281
Shivanna, K. R. 388, 679, 2955
Shivaprasad, V. 1111
Shlykov, G. N. 2241
Shmida, A. 144, 2801
Shneer, V. S. 1177
Shochat, E. 2583
Shodiev, S. Sh. 980
Shoeb, H. A. 605
Shoemaker, R. C. 2050
Shoji Ohta 164
Short, P. S. 723
Shrestha, T. 2621
Shu, J. L. 2107
Shu, J. S. 1047
Shubenko, N. P. 1393
Shukla, A. 561
Shukla, S. 1379
Shukla, Y. M. 313
Shumnyĭ, V. K. 1179, 1214
Shwe, A. 179
Shyam Prakash 1347
Siddiq, E. A. 535, 2923
Sidell, E. J. 1716
Sidhu, M. K. 1383
Siebeck, W. 802
Siegfried, W. R. 787
Siemonsma, J. S. 1228
Sierra, M. I. 2739
Sigala, P. 1543
Signore, G. del 642
Signorotti, D. A. 2968
Sigüeñas, C. 1869
Sihachakr, D. 463, 2186, 2932
Silbernagel, M. J. 2176
Silin, A. E. 101, 1751
Silitonga, T. S. 2166
Sillero, J. A. 615
Silva, J. V. da 2204
Silva, K. T. D. de 2619
Silva, W. R. da 1105
Silva O., M. 818
Sim, J. K. 1686
Simay, E. I. 289, 300
Simberloff, D. 1493
Simeonova, N. 1140
Simmonds, N. W. 528
Simmons, D. 811
Simon, B. K. 2358, 2367
Simon, J. E. 2548
Simonenko, V. K. 2153
Simpson, B. 1087
Simpson, B. B. 1206
Simpson, C. E. 2102, 2957
Simpson, M. J. A. 1650
Şimşek, Y. 2417
Sinclair, A. R. E. 2579
Sinden, S. L. 365
Singcol, N. S. 269
Singh, A. 591
Singh, A. K. 1030-1031, 1441
Singh, B. 323
Singh, B. B. 566
Singh, B. N. 591
Singh, B. U. 526
Singh, D. 638
Singh, D. P. 673
Singh, H. 2784
Singh, J. 2858
Singh, J. S. 1797, 2990
Singh, K. 2875
Singh, K. B. 1298, 1300, 2047, 2060, 2490
Singh, K. C. 2394
Singh, K. N. 626
Singh, L. B. 242
Singh, M. P. 731
Singh, R. 207, 209, 2121, 2461
Singh, R. J. 72, 552, 1413, 1584
Singh, R. K. 1835
Singh, R. M. 2059
Singh, R. P. 379, 1397
Singh, S. 1465
Singh, S. B. 591
Singh, S. N. 591
Singh, S. P. 569, 2990
Singh, S. R. 562, 566
Singh, V. 40, 2990
Singh, V. P. 568
Singhvi, N. R. 2599
Singler, D. 587
Singsit, C. 1933
Sinha, P. K. 1266
Sinha, S. K. 242
Sipahimalani, A. T. 486
Sirenko, I. P. 1222
Siripatra, D. C. 1519
Sirirugsa, P. 130
Sisco, P. H. 2013
Sisson, V. A. 2389
Sitch, L. A. 2167
Sitepu, D. 254
Sivadasan, M. 917
Sivarajan, V. V. 1605
Sivasubramanian, P. 2867
Sjulin, T. M. 1773
Skaracis, G. N. 1444
Skinner, D. Z. 2811
Skirvin, R. 302
Skirvin, R. M. 369
Skoglund, J. 1781
Škorić, D. 694, 1440
Skovmand, B. 740
Skrzypek, Z. 481, 2736
Sku, C. 2652
Skuratova, O. G. 1222
Slabbert, M. M. 2689
Slamet, I. H. 1864
Slater, R. J. 1937
Slinkard, A. E. 558
Sluis, W. G. van der 2619
Small, E. 1580, 1711, 2253, 2369
Smeins, F. E. 1805
Smiley, C. J. 2733
Smirnov, V. A. 1139
Smishchuk, N. G. 1254
Smit, G. N. 1058-1059
Smith, A. 1483
Smith, A. G. 965
Smith, A. J. 1861
Smith, D. 1951
Smith, E. C. A. 1780
Smith, G. F. 951, 1684
Smith, J. S. C. 459
Smith, O. S. 459
Smith, R. R. 1712
Smitt, U. W. 2742
Snook, M. E. 2389
Snow, A. A. 1023
Snow, N. 1722
Snowball, R. 2041
Socias i Company, R. 2763
Sodkiewicz, W. 2151
Soejadi 292
Soest, L. J. M. van 1225
Soetomo, D. 1844
Soicke, H. 2884
Soják, J. 2359
Sokhansanj, S. 1106
Sokolowski, R. E. S. 160
Soladoye, M. O. 1053
Solís, P. 2616
Soliya, D. T. 1112-1113
Sollenberger, G. 1961
Solomakha, T. D. 1755
Solov'eva, L. V. 1601
Soltis, D. E. 140, 819, 2733
Soltis, P. S. 140, 161, 819, 2733
Somchoudhury, A. K. 575
Song, C. H. 424
Song, K. M. 1944
Song, W. S. 376
Song, Y. H. 479
Songstad, D. D. 2692
Soni, P. 2268
Sonoda, R. M. 2820
Soodan, A. S. 2100
Sootha, G. D. 2990
Soper, R. S. 1481
Soppe, W. 2939
Sorai, M. 620
Soreng, R. J. 1927
Soria, C. 580
Soriano, A. 2112
Sornprasitti, P. 2559
Sorrells, M. E. 523, 1182, 1915, 1918
Sotirova, V. 1317
Soto, J. C. 78
Sotta, B. 1884
Soulères, O. 1543, 1812
Sousa S., M. 2346, 2403-2405
Soutar, R. G. 2292
Souza, J. G. de 2204
Souza-Chies, T. T. de 1759
Souza Medeiros, A. C. de 2556
Souza Silva, J. de 31
Spagnoletti Zeuli, P. L. 1032, 2757
Specht, R. L. 1090
Spellenberg, R. 886
Spellerberg, I. F. 2233
Spencer, J. W. 2292, 2392
Sperling, L. 1827
Speroni, E. 2887
Speta, F. 941-943
Spielberg, G. 1664
Spies, J. J. 1578
Spindler, L. H. 625
Spingarn, A. 1073
Spinzi, L. 2271
Spira, T. P. 1023
Splittstoesser, W. E. 302, 369
Spongberg, S. A. 1365
Spooner, D. M. 183, 466-467, 1003, 1587-1588
Sprau, G. L. 548
Sproule, A. 2202
Squires, V. R. 243
Sreehari, M. 2215
Sreekumar, P. V. 131
Srinivasan, G. 654, 2791-2792
Srivastava, H. C. 708
Srivastava, J. P. 517
Srivastava, K. N. 2504
Srivastava, S. C. 2990
Staat, B. 641
Staba, E. J. 2872
Stace, C. A. 1277
Staden, J. van 392, 1853
Stadler, M. 1935
Staebler, R. N. 2310
Ståhl, B. 908, 1621
Stahler, M. M. 1761
Stalker, H. T. 1441
Standley, L. A. 821
Stănescu, U. 2741
Stanton, M. A. 2868
Staritsky, G. 1874
Staszkiewicz, J. 2115
Staub, J. E. 303, 584, 586, 863, 978, 1012, 1324
Stavely, J. R. 1931
Stavropoulos, N. 2553, 2758
Stead, A. D. 172
Steadman, J. R. 557, 1294, 2056
Stearn, W. T. 75
Stec, A. 2016
Stefanovich, A. M. 2719
Steffens, J. C. 2066, 2830
Steiner, E. 2122, 2124
Steiner, J. J. 495
Stelzer, T. 1935
Stephens, P. R. 225
Stevenson, D. W. 2732
Stewart, A. W. L. 2905
Stewart, E. L. 1932
Stewart, J. 1538-1539
Stewart, J. McD. 2868
Sthapit, B. R. 531
Stiles, D. 2598
Stindt, M. 2589
Stinner, B. R. 783
Stinner, D. 783
Stirton, C. H. 851
Stockey, R. A. 1615
Stoimenova, E. 1317
Stommel, J. R. 365, 2841
Stone, B. C. 1633
Stoner, K. E. 1664
Stösser, R. 587
Stoyanova, S. D. 266, 2646
Straka, P. 666
Straub, P. F. 1866
Strauss, S. H. 2493, 2731, 2975
Strela, T. E. 1222
Strel'tsina, S. A. 866
Strid, A. 834
Strobeck, C. 1949
Stuart, S. N. 1493
Stubbe, W. 2122
Stuber, C. W. 2013
Stuessy, T. F. 818, 2339
Stuteville, D. L. 2811
Styles, B. T. 900, 2423
Su, P. 2430
Subash, N. 1112
Subbaiah, T. K. 305
Subden, R. E. 1004
Subhash, N. 313
Subijanto 13
Sudarmonowati, E. 355
Sudarshana, M. S. 437
Sudhakaran, S. 87
Sudhavani, A. K. 2058
Sugii, N. 418
Sugimoto, A. 1880
Suginobu, K. 341
Suh, Y. 2705
Suhayda, C. G. 520
Sujatha, M. 1888
Sujatha, S. 1341
Sujatha, V. S. 2504
Sulaiman, H. 600
Suma, A. 1341
Sumarno 292
Sumit Sarkar 2990
Sumrall, L. B. 282
Sun, C. S. 343
Sun, C. W. 706
Sun, D. 2803
Sun, F. S. 1615
Sun, J. 2826
Sun, J. D. 2078
Sun, J. Y. 1288
Sun, L. H. 343
Sun, M. 1748
Sun, Y. 1411
Sun, Y. J. 2824
Sundaram, V. 595
Sung, S. J. S. 2078
Sunirmal Chanda 966
Surma, M. 649
Sutherland, W. J. 232
Sutton, S. L. 2293
Suzuki, S. 1906

Svitashev, S. K. 1179
Svoboda, P. 1176
Swaminathan, M. S. 143, 2248, 2314, 2702, 2984
Swamy, A. V. S. R. 167-169
Swanson, T. M. 1484
Swartz, H. J. 372
Sweden, Nordic Gene Bank for Agricultural and Horticultural Plants 1477
Sweden, Swedish Agency for Research Cooperation with Developing Countries 2973
Swennen, R. 2952
Świątek, L. 1204, 2475
Sytsma, K. J. 467, 1207
Szabados, L. 1388
Szewc-McFadden, A. K. 2704
Szlachetko, D. L. 1690-1692, 1694, 1697
Szmidt, A. E. 2729
Szwed-Urbaś, K. 1997
Szweykowski, J. 2520-2521
't Mannetje, L. 2242
Taba, S. 145, 2747
Tabaeizadeh, Z. 1940
Tabaru, M. 2071
Tabata, H. 235
Tabrett, A. M. 395
Tafangenyasha, C. 2617
Tai, P. Y. P. 702, 2198
Tainton, N. M. 202, 1060
Takada, Y. 337
Takagi, M. 1195
Takahashi, H. 1743
Takamizo, T. 341
Takamura, Y. 2210
Takase, K. 778
Takeo, T. 1563
Takeshita, A. 2071
Takhtadzhyan, A. L. 1680
Takhtajan, A. 737
Talbert, L. E. 1914
Talbot, M. 528
Tamang, M. B. 1046
Tambong, J. T. 357
Tamura, N. 620
Tan, A. 2498
Tan, A. S. 697
Tanaka, H. 1195
Tanaka, M. 2671
Tanaka, N. 2119
Tanaka, R. 1369, 2114
Tanaka, T. 1955
Tandon, P. 435, 1896
Taneja, N. K. 1358
Tang, J. 1106
Tang, J. M. 1106
Tang, S. J. 1753
Tang, Z. J. 2854
Tang, Z. Z. 2870
Tanigawa, M. 2084
Taniguchi, K. 2114, 2119
Tanksley, S. D. 1182, 1192, 1915, 1918
Tanne, M. N. 710
Tanzarella, O. A. 448, 519
Tao, K. L. 295, 1091
Tao, K. L. J. 267
Tapia, C. 2562
Tapia, M. 2182
Taranukho, G. I. 2926
Tarar, J. L. 2652
Tarasov, A. O. 224
Targa-Le Blanc, A. le 2141
Tárrega, R. 1857
Tashiro, Y. 2071
Tateishi, Y. 1583
Tateoka, T. 1575
Tautorus, T. E. 2684
Tawakley, M. 2058
Tay, D. C. S. 1470
Taylor, A. G. 296
Taylor, C. M. 1649
Taylor, G. J. 2776
Taylor, J. E. 1533
Taylor, M. 2970
Taylor, M. B. 1664
Taylor, N. L. 2173
Taylor, N. P. 800
Taylor, T. E. 1186
Taylorson, R. B. 282
Tayyab, M. A. 705
Tazawa, K. 364
Tazi, M. 1034
Te-chato, S. 2680
Teague, W. R. 1058
Tegelström, H. 493
Teillier, S. 1080
Tejavathu, H. S. 2083
Tekintaş, F. E. 2853
TeKrony, D. M. 265, 272
Templeton, A. R. 1526
Tenbrink, V. L. 2216
Tentieva, B. T. 664
Tepfer, D. 1868
Terachi, T. 450, 1180
Terakawa, T. 339
Teramura, A. H. 2049
Terauchi, R. 2720, 2930
Terblanche, H. P. 270
Terblanche, R. F. 1684
Terborgh, J. 1492
Terborgh, J. W. 2269
Terent'yeva, N. G. 1755
Tereshkina, S. D. 2653
Terlizzi, P. di 1706, 1990
Termini, A. 1156
Tesemma, T. 2777
Tesfaye Tesemma 624, 640, 2777
Tesi, R. 2085
Tétu, T. 386
Teuber, L. R. 166
Tew, T. L. 701, 1045, 1442
Tewolde Berhan, G. E. 2289
Teyssendier de la Serve, B. 358
Tezenas du Montcel, H. 84, 612
Thakur, R. P. 2794
Thamburaj, S. 1293, 1339
Thapliyal, R. C. 2268
Thavarasook, C. 1303, 1732, 1770, 2177, 2375
Theron, G. K. 1063, 1788
Theunissen, J. D. 1684
Thiele, K. R. 2401
Thieme, R. 1134
Thieret, J. W. 2087, 2605
Thill, D. C. 2938
Thomas, C. E. 2838
Thomas, D. I. 548
Thomas, D. W. 1054
Thomas, G. D. 2102
Thomas, I. D. 754
Thomas, P. A. 1811
Thomas, S. M. 138
Thomas, T. A. 1220
Thomas, W. T. B. 2789
Thomason, I. J. 2076, 2185
Thomassey, J. P. 773
Thompson, A. E. 2187
Thompson, J. D. 967
Thompson, K. 2626
Thompson, P. A. 1664
Thompson, R. G. 408
Thomson, L. 156
Thomson, L. A. J. 1610
Thórhallsdóttir, T. E. 230
Thornhill, A. 1117
Thorpe, T. A. 404
Thottapilly, G. 2966
Thottapilly, G. L. 2240
Thulin, M. 1581, 1614
Tian, C. Y. 1772
Tietz, S. 850
Till-Bottraud, I. 1921
Tilling, A. J. 810
Timer'yanov, A. Sh. 913
Timokha, S. I. 1393
Tindale, M. D. 1611
Tio-Touré, B. 2563
Tjitrosemito, S. 277
Tkachenko, V. S. 212
Tobe, H. 2406
Todaria, N. P. 2642
Todd, G. 476
Toderich, K. N. 2542
Todzia, C. A. 2414
Tohme, J. M. 556
Toivonen, H. 1577
Tokuda, H. 480
Tolba, M. K. 2228, 2239
Toledo, V. M. 2608
Tolsma, D. J. 280
Tomašovičová, A. 2814
Tombolato, A. F. C. 433, 1447
Tomooka, N. 1303, 1305, 1732, 1770, 2177, 2375
Tong, C. L. 2048
Torabinejad, J. 2037
Torregrosa, S. 1016
Torres, R. B. 1447
Toscano de Brito, A. L. 1376
Tosibakhin, S. 211
Toth, E. 1172
Toutain, B. 54
Towers, G. H. N. 2885
Towill, L. E. 419, 1957
Trabaud, L. 1857
Tredici, P. del 1365, 1654
Trémouillaux-Guiller, J. 2686
Treuren, R. van 1723, 2532
Trifonova, V. Ĭ. 879, 1755
Tripathi, B. C. 2597
Trivedi, R. N. 731
Trognitz, B. R. 2537
Troshina, N. B. 1460
Trouslot, M. F. 1873
Troyan, V. M. 262
Trujillo, S. 1086
Trulevich, N. 26
Trunova, S. A. 1179
Tseng, M. T. 1740
Tserendolam, D. 211
Tsitsoni, T. 2424
Tsumura, Y. 2734
Tsunewaki, K. 1180
Tsutsumi, H. 620
Tsvelev, N. N. 825
Tuan, H. D. 2559
Tucci, M. 564
Tucker, R. P. 2990
Tugushi, K. L. 2575
Tugushi, K. N. 2303, 2575
Tugwell, N. P. 2868
Tuohy, J. M. 2871
Turner, N. J. 2980
Tuskan, G. A. 1752
Tyagi, M. C. 1464
Tye, A. 2295
Tyler, B. F. 754
Uchiyama, H. 1369
Uchneat, M. S. 1327
Ueda, S. 480
Uematsu, J. 1448
Uemoto, S. 1167
Uhl, C. H. 952, 2470
Ujang Suki 610
Ujihara, A. 2535
UK, Association of Applied Biologists 2971
UK, Friends of the Earth 2227
UK, World Conservation Monitoring Centre 2229-2231, 2981
Ulijaszek, S. J. 250
Umaid Singh 559
Umaña Dodero, G. 2411
Umanets', O. Yu. 213
Umechuruba, C. I. 1467, 1473
Umesh Kumar 561
Unander, D. W. 1832, 2893, 2896
United Nations 29, 1547
Uno, H. 620
Unwin, P. 246
Upadhyay, M. P. 1778, 2556
Upadhyaya, A. 334, 353
Upadhyaya, S. K. 40
Upadyshev, M. T. 1879
Upreti, D. K. 2624
Uragami, A. 1875
Uralets, L. I. 1138, 1433
Uranga, H. 2376
Urbina, J. A. 2836
USA, National Research Council 739
USA, USDA-ARS 611
USA, USDA Plant Introduction Office 1964
Usher, M. B. 193
Usmanov, P. D. 1211
Ustimenko, P. M. 1782
Uthamasamy, S. 2867
Utschick, H. 2571
Vacek, V. 2814
Vaillancourt, R. E. 1184, 2501
Vainstein, A. 1198
Valck, D. 1508
Valdebenito, H. 818
Valdés, B. 944
Valdés-Bermejo, E. 892
Valencia, M. L. C. de 2850
Valentine, J. 652
Valera-Montero, L. L. 366
Valgimigli, A. 2843
Valkonen, J. 2831
Valkonen, J. P. T. 2065
Valkoun, J. 1504, 1525
Vallador, D. M., Sr. 269
Vallejo, R. 2183
Vallejos, A. 2557
Valli, T. S. 686
Valmayor, R. V. 13, 729
Van Andel, J. 147
Van Ast, A. 1119
Van de Ven, W. T. G. 1930
Van de Venter, H. A. 270, 274, 1846
Van Delden, W. 957
Van den Berg, C. G. J. 1345
Van den Berg, R. G. 1587-1588
Van der Heijden, R. 2739
Van der Kamp, H. J. 1359
Van der Merwe, L. P. 502
Van der Merwe, P. J. A. 502
Van der Nat, J. M. 2619
Van der Sluis, W. G. 2619
Van der Walt, J. J. A. 932-933, 1660
Van der Werff, H. 2402
Van Devender, T. R. 962
Van Dijk, H. 1947
Van Dijk, H. F. G. 2429
Van Dijk, P. 957
Van Dilst, F. J. H. 92
Van Eeden, S. 394, 1780
Van Eeuwijk, F. A. 1359
Van Emden, S. R. 562
Van Greuning, J. V. 1014
Van Ham, R. C. H. J. 1954
Van Hengel, A. J. 483
Van Heusden, A. W. 1205
Van Hintum, Th. J. L. 1968, 2224
Van Hove, C. 1227
Van Ijzendoorn, M. T. 2832
Van Jaarsveld, E. 189
Van Leur, J. A. G. 1504
Van Mil, R. 1049
Van Oosterhout, S. A. M. 2352
Van Oosterom, E. J. 1250
Van Pelden, W. 147
Van Puyvelde, L. 1834
Van Raamsdonk, L. 2502
Van Raamsdonk, L. W. D. 859, 1431, 1594
Van Rensburg, F. P. J. 52
Van Rooyen, N. 1787, 1794
Van Sanford, D. A. 265
Van Santen, E. 2807
Van Soest, L. J. M. 1225
Van Staden, J. 392, 1853
Van Treuren, R. 1723, 2532
Van Wann, E. 1325
Van Welzen, P. C. 902
Van Wijk, J. 1550
Van Wordragen, M. F. 1193
Van Wyk, A. E. 951, 2374
Vander Kloet, S. P. 2384
Vandevenne, R. 271
Vannozzi, G. P. 312
VanSumere, C. F. 1156
Vardy, D. 256
Varga, P. 663
Varghese, T. M. 354
Varier, A. 2654
Varma, A. 1464
Varma, S. K. 2440
Varughese, G. 740
Vasal, S. K. 654, 2791-2792
Vashistha, R. N. 2081
Vasil'eva, I. M. 924, 1681
Vasil'eva, T. I. 1425

Vasiljević, L. 694
Vasistha, H. B. 2268
Vasseur, J. 1137
Vaughan, D. 1260
Vaughan, D. A. 534, 1768, 1777-1778, 1975, 2027-2028
Vaughan, J. G. 1571
Vavilov, N. I. 2241, 2247-2248, 2984
Vavrek, M. C. 2514-2516
Vázquez-Yanes, C. 1843
Veblen, T. T. 1055
Vedel, F. 1921, 2186
Veilleux, R. E. 1186, 1760
Veillon, J. M. 54
Velari, T. C. 921
Velazhahan, R. 698, 1349
Velázquez, D. 899
Velázquez, M. T. 577
Velitzelos, E. 2494
Vellvé, R. 1518, 2232, 2985
Velusamy, R. 537
Ven, W. T. G. van de 1930
Vencovsky, R. 533, 1231, 2068
Vengadasalam, M. 1096
Venkateswaran, P. S. 2893
Venter, H. A. van de 270, 274, 1846
Venter, H. J. T. 1064
Venter, P. S. 2637
Venter, S. 2447
Veracini, A. 24
Verbeek, P. J. M. 2429
Verbeek, W. H. J. 685
Vergara, B. S. 2029
Verkerk, R. 2939
Verkerke, W. 1013
Verma, B. R. 714
Verma, M. M. 671
Verma, P. R. 1346
Verma, R. N. 2858
Verma, V. D. 2566, 2643
Vermeer, E. 394
Vermeulen, J. J. 123
Vernet, P. 1947
Verpoorte, R. 2739
Vershinin, A. V. 1179
Vertucci, C. W. 263, 320, 1855
Verzino, G. 2765
Vetlesen, V. 1724
Vibha Arya 259
Vidner, J. 2760
Vieira, C. C. J. 436
Vieira, R. O. 272
Vieitez, A. M. 1158
Vieitez, F. J. 1158
Vierling, R. A. 451
Vijayakumar, A. 294
Villa, P. L. 373
Villalobos, V. 1144
Villar, M. 1202
Villegas, V. N. 2166
Villemur, P. 2512
Vinayak, K. 139
Vincent, D. W. 1789
Vincent, M. A. 1001
Vincieri, F. F. 2887
Vioque, J. 1284
Vir Singh 2990
Visarada 340
Visbal, G. 2836
Vishnyakova, M. A. 1407
Vishwa Ballabh 2324
Vishwanath, S. M. 1464
Visser, A. F. 2184
Visser, D. L. 1594
Viterbo, A. 360
Vitkovskiĭ, V. L. 866
Vivekanantharajah, S. 1779
Vojdani, P. 2002
Volk, G. 2192
Vollesen, K. 1643
Volotovskiĭ, K. A. 1784
Volz, K. R. 2297
Von Aderkas, P. 408
Von Arnold, S. 324
Von Bothmer, R. 6-7, 47, 524, 1181, 1408, 1572, 1917, 2033, 2361
Von Rudloff, E. 914
Von Windeguth, D. L. 716
Vonk, G. J. A. 92
Voroshilov, V. N. 870
Vos, J. T. R. 763
Vosti, S. A. 1506
Vries, I. M. de 2840
Vries, J. N. de 1430-1431
Vries, T. de 859, 1430, 1795
Vu, T. T. 620
Vujanić-Varga, D. 2288
Vuorela, P. 2695
Vutiyano, C. 2556
Vuylsteke, D. 2952
Vysotskiĭ, V. A. 1879
Waddick, J. W. 746
Wafai, B. A. 2100
Wafi, M. S. 579, 582
Wagner, D. B. 1203, 2730
Wagner, M. R. 1752, 2300
Wagstaff, F. J. 2802
Waines, J. G. 824, 1242
Waithaka, K. 244
Wakabayashi, M. 931
Wakabayashi, S. 469
Waląg, H. 2154
Walker, B. H. 784, 2272
Walker, C. C. 699
Walker, M. A. 1318
Walker, P. N. 1151
Walker, T. G. 2882
Wall, S. J. 459
Wallace, L. L. 743
Wallace, M. 2207
Wallace, R. S. 2467
Walón, L. 2861
Walt, J. J. A. van der 932-933, 1660
Walter, A. 2620
Walters, S. A. 585, 1328
Walters, T. W. 77, 2605
Walton, M. 459
Walton, P. D. 1417
Wang, C. T. 2197
Wang, C. Y. 2089
Wang, F. J. 1286, 1313
Wang, F. L. 2823
Wang, F. N. 1286, 1313
Wang, G. C. 2355
Wang, G. L. 636, 751
Wang, G. Y. 1338
Wang, H. F. 1563
Wang, H. S. 1563, 2107
Wang, J. C. 2125
Wang, J. X. 1998
Wang, M. 1432
Wang, Q. R. 1668
Wang, R. R. C. 540, 661, 1278, 2036
Wang, S. 2855
Wang, S. R. 1264
Wang, S. Y. 1772
Wang, T. Y. 1286, 1313
Wang, X. P. 306, 1516
Wang, X. Q. 2430
Wang, X. R. 2729
Wang, X. Y. 2019
Wang, Y. J. 1338
Wang, Y. M. 2672
Wang, Y. S. 1066
Wang, Y. Z. 1772
Wang, Z. 1182
Wang, Z. H. 2331
Wang, Z. J. 1074
Wang, Z. P. 1262
Wang, Z. R. 1664
Wang, Z. X. 1147, 2089
Wang, Z. Y. 507, 2031
Wann, E. van 1325
Wannan, B. S. 984
Ward, C. 2683
Ward, G. 220
Ward, S. M. 2536
Warhurst, D. C. 2886
Waring, H. 2884
Warwick, N. W. M. 2038
Warwick, S. I. 1709, 1711
Washitani, I. 2664
Watanabe, I. 1227
Watanabe, K. 469, 2067, 2538
Watson, I. 744
Watson, L. 1489
Watson-Pauley, B. A. 381
Watt, M. P. 390
Waugh, R. 464, 1188, 1930
Weaver, J. C. 2790
Webb, C. J. 1650
Weber, D. J. 108
Weber, L. H. 1759
Weber, M. 487
Webster, G. L. 97, 1832
Webster, J. A. 508, 2780
Wechsberg, G. E. 1861
Weeden, N. F. 1184, 2501
Węgrzyn, S. 1996
Wehner, T. C. 576, 585, 1327-1328
Wei, H. T. 2430
Wei, X. H. 1306
Wei, Y. 2793
Wei, Y. N. 1240
Wei, Y. Q. 2917
Weide, R. 1193
Weigand, S. 1504
Weiser, F. 1446
Weising, K. 472
Weisler, M. 1721
Weisner, L. E. 2225
Weisser, P. J. 1780
Weitz, F. M. 2444
Welch, B. L. 2802
Wells, M. P. 2272
Wells, W. C. 701, 1442
Welzen, P. C. van 902
Wen, J. 2339
Wen, J. Y. 2074
Wencélius, F. 2978
Wendt, T. 2332
Wenninger, J. 848
Werff, H. van der 2402
Werner, D. J. 1333
Werner, J. E. 1428, 2179
Werth, C. R. 33, 2496
Wéry, M. 1834
West, N. E. 2582
Westerbergh, A. 2126
Weston, L. A. 303, 584
Weston, P. H. 1604
Wet, J. M. J. de 1410
Whatley, F. R. 887, 2398
Wheat Information Service 727
Wheatcroft, R. 457
Whiffin, T. 1608
Whigham, D. F. 1023
White, G. A. 1216, 2187
Whitefoord, C. 1632
Whitmore, T. C. 1493
Whittemore, A. 471
Whittington, G. 963-964
Wichers, H. J. 483
Wickens, G. E. 247, 2753
Wickramanayake, E. D. 2270
Widrlechner, M. P. 1012, 1092
Wiecko, A. T. 381
Wiesner, L. 1216
Wietsma, W. A. 1430-1431
Wijk, J. van 1550, 2312
Wiklund, A. 860
Wilde, G. E. 2017
Wilde, R. H. 225
Wilhelm, P. 461
Wilkes, G. 1498
Wilkie, S. E. 1937
Willems, J. H. 2587
Williams, C. E. 2722
Williams, D. W. 1481
Williams, J. G. K. 1938
Williams, J. T. 755
Williams, P. H. 2072
Williamson, G. 2463
Williamson, V. M. 1193
Willis, A. J. 1488, 2661
Wilmot-Dear, C. M. 846
Wilson, A. C. 1919
Wilson, A. D. 712
Wilson, D. O., Jr. 1099
Wilson, E. O. 747
Wilson, H. 2357
Wilson, H. D. 470
Wilson, J. B. 21, 220
Wilson, J. P. 2020
Wilson, P. 152
Wilson, R. E. 297
Wilson, R. L. 1092
Wilson, T. C. 2820
Winberg, B. 1924
Windadri, F. I. 902
Windeguth, D. L. von 716
Winfield, M. 2775
Wingate, V. P. M. 1194
Wirminghaus, J. O. 135
Witcombe, J. R. 445
Withers, L. A. 329, 1877, 1907
Witkowska, A. 2517, 2816
Wofford, D. S. 345-346
Wolf, C. B. 103
Wolf, P. G. 161
Wolley-Dad, A. H. 1226
Wommack, D. E. 1752
Wong, P. F. 479
Wood, B. W. 875
Wood, J. 1695, 2454, 2456
Wood, J. J. 117
Woodruff, D. S. 1514
Woodwell, G. M. 2976
Woodwend, J. J. 2865
Woosaree, J. 1275
Wordragen, M. F. van 1193
Worede, M. 1958
World Farmers' Times 3
World Rainforest Movement 2236
World Wide Fund for Nature 2290
Wozniewski, T. 482
Wright, C. W. 2886
Wright, S. 459
Wu, A. Z. 90
Wu, B. L. 550, 823
Wu, C. C. 2161
Wu, C. G. 2095
Wu, G. R. 550
Wu, G. S. 1292
Wu, H. L. 2823
Wu, H. X. 1268
Wu, J. Y. 1753
Wu, K. K. 701, 1442
Wu, L. 541, 996
Wu, W. L. 2089
Wu, W. S. 1658
Wu, Z. 1311
Wutoh, J. G. 357, 2539
Wyatt, R. 2524
Wyatt, S. D. 2214
Wyk, A. E. van 951, 2374
Wyn Jones, R. G. 621-622
Wynia, R. L. 2809
Wynne, J. C. 2195
Wysokińska, H. 481, 1204, 2687, 2736
Xia, L. F. 2117-2119
Xia, M. J. 2095
Xia, Q. H. 2650
Xia, R. Z. 2869
Xiang, Q. Y. 1663
Xiao, F. H. 1262
Xiao, Q. 1267
Xiao, T. H. 2105
Xiao, T. J. 2117-2118
Xie, C. 1311
Xie, J. L. 1585
Xie, M. 83
Xin, Z. Y. 1396
Xing, F. W. 129
Xing, J. Q. 2427
Xiong, H. P. 2869
Xiong, J. 2837
Xiong, J. H. 1267
Xiong, Z. M. 2987
Xu, B. 553, 2824
Xu, H. G. 1274
Xu, H. J. 1396
Xu, J. 650
Xu, L. 1292
Xu, N. Y. 2149
Xu, R. Q. 2863
Xu, S. C. 2048
Xu, S. J. 540, 633
Xu, Y. S. 1187, 2180, 2718
Xue, Q. X. 2823
Yadav, R. D. S. 591
Yadava, T. P. 2629
Yagi, A. 491
Yahyaoui, A. 1246
Yakimenko, N. S. 2201

Yakovlev, G. P. 1582
Yakushina, L. A. 213
Yakuwa, T. 361, 363
Yamada, T. 1246, 2327, 2370
Yamada, Y. 335, 1956
Yamaguchi, I. 1880
Yamaguchi, M. 620
Yamaleev, A. M. 1460
Yamamoto, H. 1955
Yamasue, Y. 2132
Yamauchi, M. 2023
Yamazaki, T. 124, 2448
Yamdagni, R. 307
Yan, J. 66
Yan, R. L. 750, 1147
Yanagawa, M. 2071
Yanagi, T. 2091
Yang, E. Q. 1147
Yang, G. P. 2713
Yang, G. Y. 668
Yang, J. 1346
Yang, J. C. 2301
Yang, J. L. 65-66, 634, 2328
Yang, J. X. 1256
Yang, K. L. 2255
Yang, K. Q. 1385, 2846
Yang, L. P. 1998
Yang, P. G. 455
Yang, Q. H. 752, 1259
Yang, Q. S. 1772
Yang, S. J. 2164
Yang, S. L. 77, 1326, 2737
Yang, W. H. 1740
Yang, W. Y. 2328
Yang, Y. 2844
Yang, Z. F. 1264
Yano, K. 1195
Yarom, I. 1664
Yasuda, S. 2004
Yasui, H. 2168
Yatskievych, G. 2744
Ye, X. G. 2912
Ye, Y. Z. 1772
Yeh, F. C. H. 1949
Yeh, M. S. 351
Yen, C. 65, 634, 2328
Yen, D. E. 2484
Yen, Y. 1249
Yeo, P. F. 1670
Yerk, G. L. 1428
Yeung, E. C. 427
Yi, Z. L. 2149
Ying, C. S. 2254, 2556
Ying, L. 1290
Ying, S. S. 1570, 1593
Yong, C. 530
Yoo, S. A. 2345
Yoo, Y. K. 416
Yoshimatsu, K. 490
You, Z. W. 1292
Young, J. A. 286
Young, N. D. 1932
Young, R. 428
Young, R. E. 1123
Young, R. R. 2812
Young, S. A. 2802
Young, S. M. 1701
Young, S. S. 1074
Yow, T. H. 1752
Yu, C. H. 2992
Yu, F. L. 2107
Yu, H. 1311
Yu, H. F. 2830
Yu, L. Q. 2679
Yu, M. Q. 644
Yü, T. T. 1978
Yu, X. Q. 1563
Yu, Y. 461
Yu, Y. M. 2107
Yu, Z. 1311
Yu, Z. X. 1598
Yücel, S. 387
Yue, D. 2785
Yueh, C. H. 1595
Yukawa, J. 600
Yukawa, T. 1689
Yumaguzhin, M. S. 2924
Yun, D. J. 1956
Yunuskhanov, Sh. 1357
Zabel, P. 1193, 2939
Zacks, J. M. 2946
Zahran, M. A. 1488
Zain, A. M. 2556
Zainuddin Ibrahim, A. 610
Zajicek, J. M. 443
Zaman, A. 375
Zamanis, A. 2553, 2758
Zambakhidze, N. E. 2735
Zamir, D. 682, 2077
Zamora, A. B. 2670
Zamora, N. 904
Zandee, M. 2334
Zandvoort, E. A. 1874
Zang, G. G. 2869
Zangre, G. R. 2922
Zanoni, T. A. 1656
Zappi, D. 1367
Zardini, E. 906, 1083
Zaremba, R. E. 1813
Zavada, M. S. 2452
Zavarin, E. 103
Zdorenko, N. A. 866
Zee, F. T. 1145
Zeng, B. A. 2917
Zeng, F. Y. 752
Zentgraf, U. 2723
Zervakis, G. 609
Zettler, L. W. 1858
Zeuli, P. L. S. 267, 2757
Zhan, Y. X. 90
Zhang, A. J. 1406
Zhang, B. 2679
Zhang, B. L. 2093
Zhang, B. Z. 306
Zhang, E. H. 1240
Zhang, H. B. 972, 1482, 1706
Zhang, H. Z. 38
Zhang, J. C. 2870
Zhang, J. N. 1109
Zhang, J. R. 1335
Zhang, L. 1147
Zhang, Q. C. 529
Zhang, Q. F. 455-456, 458, 2713
Zhang, Q. L. 1772
Zhang, S. E. 751
Zhang, S. J. 1240
Zhang, S. Y. 2334
Zhang, W. 2785
Zhang, X. 1311
Zhang, X. P. 1109, 1437
Zhang, X. R. 2105
Zhang, X. Y. 1352, 2194
Zhang, X. Z. 1385, 1965
Zhang, Y. H. 2148, 2823
Zhang, Y. L. 1095, 1845
Zhang, Z. M. 1259
Zhangaziev, A. S. 970
Zhao, C. M. 2089
Zhao, G. L. 343
Zhao, M. 1169
Zhao, S. W. 553
Zhao, Y. T. 746
Zhao, Z. Y. 1743
Zhebrak, A. R. 971
Zheng, C. Q. 2679, 2870
Zheng, D. S. 823
Zheng, G. H. 295
Zheng, H. Y. 668
Zheng, K. P. 1302
Zheng, P. 1311
Zheng, S. F. 750
Zheng, Y. P. 372
Zheng, Y. Z. 2863
Zhi, W. 1290
Zhoang, W. N. 706
Zhong, G. Y. 1482
Zhong, W. J. 2107
Zhou, B. L. 2205
Zhou, C. J. 1561
Zhou, G. H. 1396
Zhou, H. Z. 1259
Zhou, J. T. 2331
Zhou, R. H. 540
Zhou, S. H. 553
Zhou, Y. L. 1061
Zhu, C. C. 1683
Zhu, F. C. 1256
Zhu, J. Z. 1261
Zhu, T. C. 210
Zhu, Y. Z. 751
Zhun, J. Z. 704
Ziehen, W. 983
Zieliński, J. 922, 1599
Ziffer, K. 2609
Zil', I. P. 1698
Ziman, S. M. 1755
Zimmer, K. 426
Zimmerer, K. 1825
Zimmerer, K. S. 1081
Zimmerman, R. 324
Zimmerman, T. W. 443
Zimmermann, M. W. 2752
Zimniak-Przybylska, Z. 1291
Ziv, M. 324, 429
Zizumbo Villarreal, D. 2492
Zobel, M. 226
Zodape, S. T. 2657
Zollo, P. H. A. 2129
Zou, H. Y. 1743
Zou, M. Q. 636
Zoundjihékpon, J. 2563
Zubar', A. N. 1126
Zuloaga, F. 843
Zuloaga, F. O. 829, 2354
Zuriati Zakaria 610
Zveřnek, S. N. 1407
Zvereva, G. A. 228
Zweep, A. T. 1119

SUBJECT INDEX

Abelia, taxonomy 901
Abelmoschus caillei
breeding 151
characterization 151
diversity 151
West Africa 151
Abelmoschus esculentus
breeding 151
characterization 151
collecting missions 1038
collections 1962
diversity 151
India 1038
interspecific hybridization 151
West Africa 151
Abelmoschus manihot
collections 749
Papua New Guinea 749
Abelmoschus tetraphyllus, interspecific hybridization 151
Abies, conservation, grafting 2303
Abies alba
Austria 1006
clines 1006
distribution 39
evolution 39
genetic variation, isoenzymes 1006
isoenzymes 2417
Mediterranean countries 39
taxonomy 2417
tissue culture
regeneration 1154
storage 1154
Turkey 2417
Abies borisii-regis
distribution 39
evolution 39
Mediterranean countries 39
Abies bornmuelleriana
distribution 39
evolution 39
isoenzymes 2417
Mediterranean countries 39
taxonomy 2417
Turkey 2417
Abies cephalonica
distribution 39
evolution 39
Mediterranean countries 39
Abies equi-trojani
distribution 39
evolution 39
isoenzymes 2417
Mediterranean countries 39
taxonomy 2417
Turkey 2417
Abies nordmanniana
isoenzymes 2417
taxonomy 2417
Turkey 2417
Abies resinosa
Greece 2494
palaeobotany 2494
Abutilon theophrasti
China 1047
collecting missions 1047
plant colonization 1758
population dynamics 1758
seed dispersal 1758
USA 1758
Acacia
Egypt 1488
genetic resources 1488
keys 889-890
polyploidy 156
taxonomy 156, 889-890
Acacia albida, molecular genetics, taxonomy 1950
Acacia alexandri
keys 890
new species 890
Acacia ampliceps
keys 889
taxonomy 889
Acacia aneura
Australia 1612
keys 1612
taxonomy 1612
Acacia aphanoclada
keys 890
new species 890
Acacia aristiguietana
new species 891
Venezuela 891
Acacia ayersiana
Australia 1612
keys 1612
taxonomy 1612
Acacia bidwillii, molecular genetics, taxonomy 1950
Acacia bivenosa
keys 889
taxonomy 889
Acacia boliviana, molecular genetics, taxonomy 1950
Acacia chamelensis
Mexico 2400
new species 2400
Acacia chartacea
keys 890
new species 890
Acacia colei
Australia 156, 1610
genetic variation, isoenzymes 156
keys 1610
new species 1610
Acacia cowleana
Australia 156, 1610
genetic variation, isoenzymes 156
keys 1610
taxonomy 1610
Acacia cupularis
keys 889
taxonomy 889
Acacia cuspidifolia
keys 890
taxonomy 890
Acacia dempsteri
keys 890
taxonomy 890
Acacia didyma
keys 889
new species 889
Acacia glaucocaesia
keys 890
taxonomy 890
Acacia gonoclada
Australia 156
genetic variation, isoenzymes 156
Acacia holosericea
Australia 156, 1610
genetic variation, isoenzymes 156
keys 1610
taxonomy 1610
Acacia karroo
seeds
drought resistance 2871
germination 2871
heat resistance 2871
Zimbabwe 2871
Acacia ligulata
keys 889
taxonomy 889
Acacia mearnsii
Australia 2399
ecotypes 2399
taxonomy 2399
Acacia meiantha
Australia 1611
keys 1611
new species 1611
Acacia melanoxylon, molecular genetics, taxonomy 1950
Acacia multipinnata, taxonomy 1609
Acacia neurocarpa
Australia 156, 1610
genetic variation, isoenzymes 156
keys 1610
Acacia neurocarpa cont.
taxonomy 1610
Acacia nilotica
ethnobotany 1835
India 1835
medicinal properties 1835
Acacia paniculata, taxonomy 1609
Acacia pickardii
keys 890
taxonomy 890
Acacia pycnantha, molecular genetics, taxonomy 1950
Acacia rostellifera
keys 889
taxonomy 889
Acacia ryaniana
keys 890
new species 890
Acacia salicina
keys 889
taxonomy 889
Acacia saligna, tissue culture, regeneration 397
Acacia sclerosperma
keys 889
taxonomy 889
Acacia senegal
molecular genetics, taxonomy 1950
seed treatment, germination 1114
Acacia startii
keys 889
new species 889
Acacia synchronicia
keys 890
new species 890
Acacia telmica
keys 889
new species 889
Acacia tenuifolia, new taxa 1609
Acacia tortilis
seeds
drought resistance 2871
germination 2871
heat resistance 2871
Zimbabwe 2871
Acacia tysonii
keys 889
taxonomy 889
Acacia ulicifolia, molecular genetics, taxonomy 1950
Acacia victoriae
keys 890
taxonomy 890
Acacia xanthina
keys 889
taxonomy 889
Acalypha arvensis
ethnobotany 251
Guatemala 251
Acalypha rusbyi
Bolivia 1028
new taxa 1028
Acari, fruit crops 714
Accessory chromosomes
Centella asiatica 603
Zea mays 2011
Acer
keys 2418
pollen 2543
taxonomy 911, 2418, 2543
Thailand 2418
Acer campestre
ornamental value 2879
UK 2879
Acer chiangdaoense
new species 2418
Thailand 2418
Acer pentaphyllum
China 1978
collections 1978
Acer pseudoplatanus
conservation 2304
UK 2304

Achillea fragrantissima
Israel 256
medicinal properties 256
Achillea lanulosa
genetic variation, leaves 1754
USA 1754
Achnatherum splendens
China 1274
salt tolerance 1274
Ackama rosifolia
keys 1650
New Zealand 1650
taxonomy 1650
Acremonium, *Cucumis melo,* disease resistance 577
Acrocomia aculeata
Brazil 154
genetic variation, isoenzymes 154
Actinidia
characterization 12
China 83
distribution 83
evaluation 83
Actinidia deliciosa
China 83, 2951
distribution 83
evaluation 83
varieties, Miliang-1 2951
Adansonia digitata, seed treatment, germination 1859
Adaptability (*see also* Stability)
Adenanthera
Asia 110
Australia 110
keys 110
Malaysia 110
taxonomy 110
Adenanthera kostermansii
keys 110
Malaysia 110
new species 110
Adenanthera malayana
keys 110
taxonomy 110
Adenanthera marina
keys 110
Malaysia 110
new species 110
Adenanthera microsperma
keys 110
taxonomy 110
Adenanthera tamarindifolia
keys 110
taxonomy 110
Adenosinetriphosphatase, *Populus,* mitochondrial genetics 1949
Adhatoda vasica
ethnobotany 1835
India 1835
medicinal properties 1835
Aegilops
chloroplast genetics, evolution 450
collecting missions 1032
cytology 1247
Czechoslovakia 1215
disease resistance, *Puccinia recondita* 2784
Egypt 1488
evaluation 1242
gene banks 1215
databases 504
genetic resources 721, 1488
genomes 824
Italy 1032
mitochondrial genetics, evolution 1180
molecular genetics
evolution 1913
numerical taxonomy 1913
polymerase chain reaction
gliadin 448
glutenins 448
restriction fragment length polymorphism 452
evolution 1180
gliadin 448
glutenins 448
Syria 721
taxonomy 824
USA 1242
Aegilops bicornis
α-amylase 2327
Aegilops bicornis *cont.*
chemotaxonomy 2327
genomes 644, 1249
interspecific hybridization 644, 1249
meiosis 644
Aegilops biuncialis, disease resistance, nucleocytoplasmic interaction 2149
Aegilops caudata
Mediterranean countries 164
sterility 164
wide hybridization 164
Aegilops comosa
chromosome banding 1248
descriptors 2758
gene banks 2758
Greece 2758
molecular genetics
evolution 1914
genomes 1914
Aegilops crassa
evolution 972
genomes 972, 1249
interspecific hybridization 1249
Aegilops cylindrica, nucleocytoplasmic interaction, fertility 1399-1400
Aegilops fragilis
cytotaxonomy 46
Italy 46
Aegilops kotschyi, drought resistance 512
Aegilops longissima
α-amylase 2327
chemotaxonomy 2327
chromosome banding 1990
chromosome transmission 642
genomes 644, 1249
interspecific hybridization 644, 1249
meiosis 644
nucleocytoplasmic interaction, fertility 1400
Aegilops markgraffii
DNA probes 453
molecular genetics 453
Aegilops mutica, disease resistance, nucleocytoplasmic interaction 2149
Aegilops ovata, disease resistance, nucleocytoplasmic interaction 2149
Aegilops peregrina
genomes 824
taxonomy 824
Aegilops searsii
α-amylase 2327
chemotaxonomy 2327
genomes 644
interspecific hybridization 644
meiosis 644
Aegilops sharonensis
α-amylase 2327
chemotaxonomy 2327
chromosome translocation 630
evaluation 1242
genomes 824
taxonomy 824
USA 1242
Aegilops speltoides
α-amylase 2327
chemotaxonomy 2327
chromosome banding 1990
disease resistance, nucleocytoplasmic interaction 2149
genomes 644, 1249
interspecific hybridization 644, 1249
meiosis 644
Aegilops squarrosa
breeding 619
chromosome aberrations 2775
evaluation 1242
evolution 972
gene mapping 619
genomes 972
interspecific hybridization 1915, 2553
molecular genetics
gliadin 519
glutenins 519
nucleocytoplasmic interaction, fertility 1399-1400
pest resistance, *Mayetiola destructor* 1915
restriction fragment length polymorphism 452
Mayetiola destructor 1915
salt tolerance 622
Aegilops squarrosa *cont.*
somaclonal variation 2775
unreduced gametes 643
USA 1242
Aegilops triuncialis, disease resistance, nucleocytoplasmic interaction 2149
Aegilops umbellulata
chromosome translocation 630
genomes 644
interspecific hybridization 644
meiosis 644
molecular genetics
evolution 1914
genomes 1914
Aegilops uniaristata
interspecific hybridization 2553
nucleocytoplasmic interaction, fertility 1400
Aegilops variabilis
genomes 644
interspecific hybridization 644
meiosis 644
Aegilops ventricosa
breeding 623
collecting missions 2553
Greece 2553
Aegilops* × *Agropyron, intergeneric hybridization 620
Aegilops* × *Secale
genomes 618
intergeneric hybridization 618, 2153
tissue culture 2153
Aegilops* × *Triticum
chromosome banding 2157
chromosome pairing 2157
disease resistance, *Puccinia striiformis* 631
evaluation 2154
genetics, cold resistance 2918
genomes 2157, 2913
haploidy 628
intergeneric hybridization 622, 628-629, 631-633, 642-644, 824, 1399-1400, 2154, 2157, 2912-2913, 2918
interspecific hybridization 1398
morphology 2913
nucleocytoplasmic interaction, fertility 1400
Poland 2154
salt tolerance 629
unreduced gametes 633, 1398
Aegle marmelos
evaluation 2852
India 2852
Aequatorium cajamarcense
new species 1648
South America 1648
Aequatorium juninense
new species 1648
South America 1648
Aequatorium kingii
new species 1648
South America 1648
Aequatorium tovarii
new species 1648
South America 1648
Aerangis ellisii, pollination 2547
Aerides japonicum, tissue culture, regeneration 424
Aeschynomene graminoides
Brazil 853
new species 853
Aeschynomene simplicifolia
Brazil 853
new species 853
Aescin, *Aesculus hippocastanum,* tissue culture 2728
Aesculus, embryo culture, cryopreservation 2682
Aesculus hippocastanum, tissue culture, aescin 2728
Africa
Ansellia 2458
Ansellia africana 2458
Balanites aegyptiaca 745
Becium 2473
biotechnology 444
Canthium 1636
collecting missions 1025
crops 1026
Cucumis 978

Africa *cont.*
Cucumis aculeatus 863
Cucumis anguria 863
Cucumis dipsaceus 863
Cucumis ficifolius 863
Cucumis myriocarpus 863
Cucumis prophetarum 863
Cucumis sativus 863
Cucumis zeyheri 863
Dioscorea 1873
Echinops 2443
Endostemon 2473
Ficus 1013
fodder plants 2667
genetic resources 240, 1479
Gossypioides 2265
Gossypium 2265
grasslands 243, 1807
Grewia fabreguesii 2422
Icacina senegalensis 2884
Landolphia 92
Leonotis leonurus 2877
Manihot esculenta 2503, 2967
Manihot glaziovii 2503
Musa 2952
Ocimum 2473
Orthosiphon 2473
Oryza barthii 1769
disease resistance 2795
Oryza brachyacantha 1769
Oryza brachyantha 2026
Oryza breviligulata 2026
Oryza glaberrima 1769
disease resistance 2795
Oryza longistaminata 1769, 2026
Oryza punctata 1769, 2026
Oryza sativa 1769, 1973
Panicum maximum 2163
Pennisetum glaucum 659
rain forests 2978
Sorghum bicolor 2016
Stenandrium 2442
Stipagrostis ciliata 62
Trifolium 2040
Trifolium hybridum 2040
Trifolium quartinianum 2040
Trifolium rueppellianum 2040
Trifolium steudneri 2040
Trifolium tembense 2040
tropical forests 798
Vigna 2928
Vigna unguiculata 728, 2501
wild plants 2625
African cassava mosaic bigeminivirus
Manihot esculenta, disease resistance 2930
Manihot glaziovii, disease resistance 2930
Agaricus bisporus
genetic markers 492
genomes 492
hybridization 2743
isoenzymes 2743
molecular genetics 492
protoplasts 492
restriction fragment length polymorphism 2743
Agave
fibres 2110
Mexico 2110
USA 2110
***Agave filifera*,** molluscicidal properties 607
Agricultural policy
conservation 1545-1546
Developed Countries 1546
Developing Countries 1546
sustainability 1546
Agriculture, genetic diversity, books 2985
Agropyron *(see Elymus)*
breeding 660
collecting missions 1032
disease resistance
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
Italy 1032
taxonomy 57
***Agropyron ciliare*,** Japan 620
Agropyron cristatum
China 540, 1416
cytology 1416
drought resistance 540
Agropyron cristatum *cont.*
interspecific hybridization 660, 974
Agropyron desertorum
China 540, 1416
cytology 1416
drought resistance 540
interspecific hybridization 660, 974
origin 974
***Agropyron fragile*,** interspecific hybridization 974
Agropyron michnoi
China 1416
cytology 1416
Agropyron mongolicum
China 540, 1416
cytology 1416
drought resistance 540
interspecific hybridization 974
***Agropyron tsukushiense*,** Japan 620
***Agropyron* × *Aegilops*,** intergeneric hybridization 620
***Agropyron* × *Dasypyrum*,** intergeneric hybridization 620
Agropyron* × *Elymus
chromosome pairing 661
intergeneric hybridization 661
Agropyron* × *Hordeum
chromosome pairing 661
intergeneric hybridization 620, 661
***Agropyron* × *Secale*,** intergeneric hybridization 620
Agropyron* × *Triticum
chromosome pairing 616
embryo culture 2914, 2919
intergeneric hybridization 616, 620, 641, 1416, 2914, 2919
Agrostis stolonifera
ecotypes 147
Netherlands 147
protoplasts, regeneration 339
tissue culture, regeneration 416
***Ailanthus malabricum*,** tissue culture, regeneration 1889
Air drying
Dactylis glomerata, seeds 264
Festuca arundinacea, seeds 264
Lolium perenne, seeds 264
Lotus corniculatus, seeds 264
Lotus tenuis, seeds 264
Medicago rigidula, seeds 264
Trifolium repens, seeds 264
Triticum aestivum, seeds 264
Triticum durum, seeds 264
Air pollution, grasslands 213
***Aistopetalum*,** taxonomy 100
Ajuga spectabilis
distribution 1679
endangered species 1679
Korea Republic 1679
***Akebia pentaphylla*,** evolution 2491
***Akebia quinata*,** interspecific hybridization 2491
***Akebia trifoliata*,** interspecific hybridization 2491
Alanine
Oryza alata 2024
Oryza latifolia 2024
Albizia niopoides
distribution 1640
taxonomy 1640
***Albugo candida*,** *Brassica juncea*, disease resistance 591
Albumins
Vicia 855
Vigna unguiculata 563
Alcohol dehydrogenase
Tripsacum pilosum, molecular genetics 1919
Zea, molecular genetics 1919
Zea mays, molecular genetics 1919
Algae
collections 1227
gene banks 1227
Philippines 1227
Algeria
fodder legumes 756
grain legumes 756
Hedysarum 69
Hedysarum aculeolatum 69
Hedysarum carnosum 69
Hedysarum coronarium 69
Algeria *cont.*
Hedysarum flexuosum 69
Hedysarum glomeratum 69
Hedysarum naudinianum 69
Hedysarum pallidum 69
Hedysarum perrauderianum 69
Hedysarum spinosissimum 69
Ononis aurasiaca 849
Triticum aestivum 176
Triticum durum 176
Algorithms, nature reserves 2280
Alkaloids
Camptotheca acuminata, tissue culture 483
Catharanthus roseus 484, 2894
cell culture 488
in vitro culture 486
Catharanthus trichophyllus 2894
Cinchona ledgeriana 484
Hyoscyamus muticus 485
Papaver albiflorum 955
Papaver bracteatum 954
Papaver confine 955
Papaver dubium 955
Papaver lecoqii 955
Papaver orientale 954
Papaver pseudo-orientale 954
Papaver rhoes 955
Rauvolfia serpentina 484, 1380
Sanguinaria canadensis, tissue culture 1952
Tabernaemontana pandacaqui, cell culture 2739
All-Union Lenin Academy of Agricultural Sciences of USSR, organizations 2249
Alleles (*see* Genetics)
Allergens, *Dactylis glomerata*, pollen 2034
Allium
biotechnology 2707
China 2837
chloroplast genetics, taxonomy 1191
cytology 1316
Egypt 1488
esterases 2837
Europe 2145
evolution 1717
genetic resources 1488, 2707
genomes 1316
India 2707
interspecific hybridization 1316, 1431
networks 2145
random amplified polymorphic DNA, taxonomy 1937
reproduction 1316
Russia 856
taxonomy 75, 856
Tropics 2145
***Allium aflatunense*,** protoplasts 468
Allium altaicum
chloroplast genetics, taxonomy 1191
taxonomy 859
***Allium ameloprasum*,** chloroplast genetics, taxonomy 1191
Allium ascalonicum
Europe 2145
networks 2145
Tropics 2145
Allium carolinianum
ethnobotany 2564
India 2564
surveys 2564
Allium cepa
carbohydrates 1314
chloroplast genetics, taxonomy 1191
disease resistance
Peronospora destructor 1430
Sclerotinia squamosa 1430
Europe 2145
genetics
Peronospora destructor 1430
Sclerotinia squamosa 1430
interspecific hybridization 1430-1431
isoenzymes 573
networks 2145
nutrients 1314
plant composition 1314
protoplasts 468
seed treatment
germination 294
storage 259, 294
viability 259

Allium cepa cont.
seed treatment *cont.*
vigour 259
seeds
germination 2648-2649
storage 2648-2649
sulfur 572
taxonomy 859
tissue culture, regeneration 358
Tropics 2145
Allium chinense, isoenzymes 573
Allium fimbriatum, taxonomy 940
Allium fistulosum
chloroplast genetics, taxonomy 1191
genetic variation, isoenzymes 1315
protoplasts 468
taxonomy 859
Allium galanthum
chloroplast genetics, taxonomy 1191
interspecific hybridization 1431
taxonomy 859
Allium humile
ethnobotany 2564
India 2564
surveys 2564
Allium karataviense, protoplasts 468
Allium kollmannianum, new species 857
Allium kurrat
chemotaxonomy 2330
evolution 2330
Allium longicuspis, protoplasts 468
Allium nutans, protoplasts 468
Allium odorum, protoplasts 468
Allium oschaninii
chloroplast genetics, taxonomy 1191
interspecific hybridization 1431
taxonomy 859
Allium porrum
chemotaxonomy 2330
evolution 2330
isoenzymes 573
Allium pskemense
chloroplast genetics, taxonomy 1191
interspecific hybridization 1431
taxonomy 859
Allium ramosum
isoenzymes 573
protoplasts 468
Allium rhodiacum
Greece 858
new species 858
Allium roylei
chloroplast genetics, taxonomy 1191
disease resistance
Peronospora destructor 1430
Sclerotinia squamosa 1430
genetics
Peronospora destructor 1430
Sclerotinia squamosa 1430
interspecific hybridization 1430-1431
taxonomy 859
Allium rubellum
ethnobotany 2564
India 2564
surveys 2564
Allium sativum
antiprotozoal agents 2836
chemotaxonomy 2330
evolution 2330
protoplasts 468
Allium schoenoprasum, protoplasts 468
Allium senescens
China 2837
esterases 2837
Allium trifoliatum
somaclonal variation, regeneration 360
tissue culture, regeneration 360
Allium tuberosum
China 2837
chloroplast genetics, taxonomy 1191
esterases 2837
tissue culture, regeneration 359
Allium vavilovii
chloroplast genetics, taxonomy 1191
interspecific hybridization 1431
taxonomy 859
Allium victorialis, tissue culture, regeneration 361
Allium wallichii
ethnobotany 2564
India 2564
Allium wallichii cont.
surveys 2564
Allophylus pilosus
Peru 1645
taxonomy 1645
Aloe bowiea
distribution 951
endangered species 951
South Africa 951
Aloe gilbertii
Ethiopia 881
new species 881
Aloe variegata, tissue culture, regeneration 1169
Alopecurus, numerical taxonomy 64
Alophia veracruzana
Mexico 934
taxonomy 934
Alpinia caerulea
Australia 1381
edible species 1381
Alstonia actinophylla
Australia 1699
taxonomy 1699
Alstonia constricta
Australia 1699
taxonomy 1699
Alstonia linearis
Australia 1699
taxonomy 1699
Alstonia muelleriana
Australia 1699
taxonomy 1699
Alstonia scholaris
Australia 1699
taxonomy 1699
Alstonia spectabilis
Australia 1699
taxonomy 1699
Alstroemeria
Brazil 1447
breeding 1447
collecting missions 1447
Alternaria, *Cicer arietinum,* seed treatment 713
Alternaria alternata
Nicotiana, disease resistance 2865
Nicotiana tabacum, disease resistance 2865
Alternaria brassicae
Brassica campestris 679
Brassica juncea, disease resistance 591
Brassica spinescens 679
Altitude, *Oryza sativa* 1265
Aluminium
crops 2771
Hordeum vulgare, genetics 523
Triticum aestivum 2776, 2783
Alysicarpus vaginalis, tissue culture, regeneration 345
Alyssum saxatile
ethnobotany 1833
Italy 1833
Amaranthus
breeding 2911
Egypt 2356
genetic resources 2260
India 2260
taxonomy
chromosome number 2356
proteins 2356
Tropics 2911
Amaranthus caudatus
China 2031
evaluation 1235, 2031
landraces 1235
Nepal 1235
Amaranthus cruentus
China 2031
evaluation 2031
Amaranthus graecizans
Egypt 2356
taxonomy
chromosome number 2356
proteins 2356
Amaranthus hybridus
Egypt 2356
taxonomy
chromosome number 2356
proteins 2356
Amaranthus hypochondriacus
evaluation 1235
landraces 1235
Nepal 1235
Amaryllidaceae
gene banks 1980
South Africa 1980
Amazonia
ethnobotany 238
rain forests 795
Amelanchier alnifolia
Canada 2947
utilization 2947
America, *Krameria* 1087
Amino acids
Asparagus 2074
Asparagus filicinus 2074
Asparagus officinalis 2074
Asparagus polyphyllus 2074
Hordeum deficiens 521
Hordeum distichum 521
Hordeum irregulare 521
Hordeum spontaneum 521
Hordeum vulgare 521
Triticum dicoccoides 513
Amomum dallachyi
Australia 1381
edible species 1381
Amphorophora agathonica
Rubus idaeus, pest resistance 2188
Rubus strigosus, pest resistance 2188
Amrasca devastans
Gossypium barbadense, pest resistance 2867
Gossypium hirsutum, pest resistance 2867
Amygdalus *(see Prunus)*
α-Amylase
Aegilops bicornis 2327
Aegilops longissima 2327
Aegilops searsii 2327
Aegilops sharonensis 2327
Aegilops speltoides 2327
Triticum aestivum 2327
Triticum monococcum 2327
Triticum urartu 2327
β-Amylase
Glycine gracilis, genetics 553
Glycine soja, genetics 553
Amylases, *Triticum dicoccoides,* genetic variation 2509
Amylose
Oryza sativa, genetic diversity 1729
Sorghum bicolor, genetics 2161
Anabasis articulata
Israel 256
medicinal properties 256
Anacardiaceae
evolution 984
taxonomy 984
Anacardium
keys 1603
South America 1603
taxonomy 1603
Anacardium amapaënse
Brazil 1603
French Guiana 1603
keys 1603
new species 1603
South America 1603
Anagallis arvensis, molluscicidal properties 607
Ananas
genetic variation, isoenzymes 2849
tissue culture, storage 1145
Ananas ananasoides, tissue culture, storage 1880
Ananas comosus, tissue culture, storage 1880
Ananas lucidus
characterization 2096
Venezuela 2096
Anastrepha suspensa, *Averrhoa carambola,* quarantine 716
Andaman and Nicobar Islands
Mezzettia curtisii 2408
wild plants 1842
Andropogon gayanus
seeds
dormancy 2639
storage 2639

Andropogon gerardii
Central America 837
new taxa 837
Anemone narcissiflora
population genetics 1755
Ukraine 1755
Aneuploidy
Avena byzantina 2006
Avena nuda 2006
Avena sativa 2006
Elymus × *Triticum* 636
Lotus 1714
Angiosperms
drought 195
evolution, books 737
Kuwait 195
plant communities 195
Angola, *Elaeis guineensis* 1043
Annona
leaves 88
oils 88
taxonomy 88
Annona pruinosa
Central America 1631
taxonomy 1631
Annual habit
Beta atriplicifolia, genetics 2106
Beta macrocarpa, genetics 2106
Beta maritima, genetics 2106
Beta patula, genetics 2106
Beta vulgaris, genetics 2106
Oryza rufipogon 1849
Ansellia
Africa 2458
endangered species 2458
taxonomy 2458
Ansellia africana
Africa 2458
endangered species 2458
taxonomy 2458
Antarctica, *Nothofagus* 985
Anthelmintics, pesticidal plants 1840
Anther culture
Brassica napus 384
Ginkgo biloba, regeneration 2686
Helianthus 694
Helianthus annuus 694
Hordeum spontaneum 647
Hordeum vulgare 647
Manihot esculenta 1386
Oryza sativa 1386
Triticeae × *Triticum* 635
Triticum turgidum, regeneration 1863
Anthericum
chromosome number 1375
North Africa 1375
Anthericum algeriense
chromosome number 1375
North Africa 1375
Anthers, *Lupinus,* taxonomy 845
Anthesis (*see* Flowering)
Anthurium andreanum, tissue culture, regeneration 418
Anthyllis
Spain 1284
taxonomy 1284
Anthyllis montana
genetic variation 2519
Italy 2519
Anthyllis vulneraria
genetic variation 2519
isoenzymes 2520-2521
Italy 2519
Poland 2520-2521
Antibacterial properties
medicinal plants 2885-2886
Sanguinaria canadensis 1952
Antibiotics, medicinal plants 2885
Antifungal plants, ethnobotany, books 2979
Antifungal properties, medicinal plants 2886
Antimalarials
Artemisia annua 2891
medicinal plants 1837, 2889
Antiparasitic agents
Nigella sativa 2130
Saussurea lappa 2130
Antiprotozoal agents
Allium sativum 2836
Cochlospermum angolense 1378
Jacaranda copaia 2880
Antiprotozoal agents *cont.*
medicinal plants 1834, 2886
Munnozia maronii 2890
Antiviral properties, *Phyllanthus* 2893
Apera spica-venti, seeds, germination 1119
Aphis craccivora, *Vigna unguiculata,* pest resistance 562
Apioideae
Balearic Islands 2477
Spain 2477
taxonomy 2477
Apium graveolens, seeds, cryopreservation 1094
Apomixis
Paspalum bertonii 165
Paspalum dedeccae 165
Paspalum denticulatum 165
Paspalum distichum 165
Paspalum inaequivalve 165
Paspalum palustre 165
Paspalum ramboi 165
Pennisetum glaucum, restriction fragment length polymorphism 1922
Pennisetum squamulatum, restriction fragment length polymorphism 1922
Spiranthes cernua 1019
Themeda triandra 2810
Aptandra caudata
new species 897
Peru 897
Aquilaria agallocha
India 2876
wood properties 2876
Aquilegia kubanica
new species 924
Russia 924
Aquilegia tuvinica
Russia 1681
taxonomy 1681
Arab Countries
Eleusine coracana 2552
Eragrostis tef 2552
Pennisetum glaucum 2552
Setaria italica 2552
Sorghum bicolor 2552
Arabidopsis thaliana
gene banks 1211, 2750-2752
genetic resources
databases 4
gene banks 4
mutations 1211
collections 2749
Tajikistan 1211
UK 2750
USA 2751
Arachis
chromosome morphology 1352
cytotaxonomy 90, 1352
disease resistance 1441
Mycosphaerella arachidis 2194
Mycosphaerella berkeleyi 2194
Puccinia arachidis 2194
gene banks, catalogues 502
genetic variation, isoenzymes 2103
interspecific hybridization 1441
pest resistance 1441
South Africa 502
tissue culture, regeneration 2675
Arachis batizocoi
disease resistance, *Puccinia arachidis* 698
genetic markers 1200
India 698
interspecific hybridization 698, 2957
pest resistance, *Mycosphaerella arachidis* 2957
Arachis cardenasii
disease resistance
peanut stripe potyvirus 1351
Puccinia arachidis 698
India 698
interspecific hybridization 698, 2957
pest resistance, *Mycosphaerella arachidis* 2957
Arachis chacoense
disease resistance
peanut stripe potyvirus 1351
Puccinia arachidis 698
genetic markers 1200
India 698
interspecific hybridization 698
Arachis chacoensis
interspecific hybridization 2957
pest resistance, *Mycosphaerella arachidis* 2957
Arachis duranensis
disease resistance, *Puccinia arachidis* 698
India 698
interspecific hybridization 698
Arachis glabrata
China 2197
interspecific hybridization 2197
Arachis hypogaea
breeding 2196
catalogues 2102
gene banks 2104
characterization 2861
China 1041, 2197
collecting missions 1030-1031, 2550
collections 2756
Cuba 2861-2862
descriptors 2102
disease resistance 1441
Aspergillus flavus 2859
Mycosphaerella arachidis 2858
peanut stripe potyvirus 1351
Puccinia arachidis 698
evaluation 2862
gene banks 2756
genetic markers 1200
genetic variation, isoenzymes 2103
India 698, 2196, 2756, 2858-2860
interspecific hybridization 698, 1441, 2197, 2957
landraces 2861-2862
multivariate analysis 2861
Namibia 2550
oils 1041
pest resistance 1441
Holotrichia serrata 2860
Mycosphaerella arachidis 2957
plant introduction 2195
seed treatment
germination 1112
storage 259, 314
viability 259, 314
vigour 259, 314
seeds
Aspergillus flavus 1473
Aspergillus niger 1473
germination 313, 1111
Macrophomina phaseolina 1473
storage 260, 313, 1111-1113
viability 260
South America 2102
Southern Africa 2196
Uganda 1030-1031
USA 2195
utilization 2195
Arachis monticola, endosperm 593
Arachis villosa, endosperm 593
Arachis villosulicarpa, endosperm 593
Aralia elata
ornamental value 2879
UK 2879
Arberella grayumii
Central America 837
new species 837
Arbutus menziesii
ornamental value 2879
UK 2879
Archaeology
Brassica campestris 1716
Hordeum vulgare 2485
Syzygium malaccense 1721
Tripsacum pilosum, molecular genetics 1919
Triticum durum 2485
Zea, molecular genetics 1919
Zea mays, molecular genetics 1919
Arctostaphylos uva-ursi, micropropagation 412
Ardisia
keys 2413
Madagascar 2413
Ardisia callejasii
Colombia 1646
new species 1646
Ardisia marojejyensis
Madagascar 2413
new species 2413

Argania spinosa
Morocco 699
utilization 699
Argentina
Atriplex cordobensis 2634
Colliguaja integerrima 2112
forest trees 2764
forests 1810
grasslands 1810, 2580-2581
Inga affinis 909
Inga edulis 909
Inga marginata 909
Inga saltensis 909
Inga uruguensis 909
Inga virescens 909
Oryza sativa 2796
Prosopis 2765
Prosopis chilensis 1016, 2765
Prosopis dilensis 2765
Prosopis flexuosa 1016
Prosopis pugionata 1016
Solanum acaule 466
Solanum brevidens 1003
Solanum etuberosum 1003
Solanum fernandezianum 1003
Zea mays 2350
Arisaema dracontium
hybridization, distribution 2446
USA 2446
Arisaema triphyllum
hybridization, distribution 2446
USA 2446
Arisarum vulgare, pollen germination 2545
Aristida
Australia 2358
taxonomy 2358
Aristida beyrichiana
distribution 1579
taxonomy 1579
USA 1579
Aristida browniana
Australia 203
grazing 203
Aristida leptura
new species 840
Somalia 840
Aristida pycnostachya
new species 840
Somalia 840
Aristida stricta
distribution 1579
taxonomy 1579
USA 1579
Aristida tenuiseta
new species 840
Somalia 840
Armenia
Centaurea cronquistii 1680
grasslands 231
Artemisia absynthium
Cuba 604
pesticidal properties 604
sesquiterpenoid lactones 604
Artemisia annua
antimalarials 2891
Asia 2891
cell culture, flavonoids 2737
tissue culture, regeneration 2694
Artemisia herba-alba
Israel 256
medicinal properties 256
Artemisia pallens, micropropagation 1901
Artemisia tridentata
palatability 2802
plant communities 1789
USA 1789, 2802
Arthrostylidium
keys 2368
South America 2368
taxonomy 2368
Arthrostylidium ecuadorense
Colombia 2368
Ecuador 2368
new species 2368
Arthrostylidium fimbrinodum
Brazil 2368
new species 2368
Arthrostylidium grandifolium
Brazil 2368
new species 2368
Arthrostylidium judziewiczii
Central America 837
new species 837
Arthrostylidium merostachyoides
Central America 837
new species 837
Arthrostylidium youngianum
Colombia 2368
Ecuador 2368
new species 2368
Artificial seeds
Picea glauca, storage 2684
Picea mariana, storage 2684
Artocarpus heterophyllus
recalcitrant seeds
storage 309
viability 309
Asarum taiwanense
new species 1570
Taiwan 1570
Asclepiadaceae
cytology 1377
mixoploidy 1377
polyploidy 1377
Asclepias exaltata
genetic variation, isoenzymes 2524
USA 2524
Ascocentrum aurantiacum
Asia 118
taxonomy 118
Ascocentrum garayi
Asia 118
new species 118
Ascocentrum insularum
Asia 118
new species 118
Ascochyta *(see Mycosphaerella)*
(see also Phoma)
Ascochyta pisi, *Pisum sativum,* seed treatment 1466
Ascochyta rabiei
Cicer arietinum
disease resistance 1300, 2060
seed treatment 713
Ascorbic acid
Rosa laevigata 1772
Rosa roxburghii 1772
Ziziphus spinosus 1772
Asia
Adenanthera 110
Artemisia annua 2891
Ascocentrum aurantiacum 118
Ascocentrum garayi 118
Ascocentrum insularum 118
Cadetia microphyton 118
collecting missions 1025
conservation 2270
Cordiglottis filiformis 118
Cucumis melo 2605
Dendrobium palawense 118
Dioscorea 1873
Elymus 56
Epipactis royleana 2456
ethnobotany 238
Glycine 2262
Habenaria rhodocheila 118
Medicago monantha 1580
Mucuna 846
Musa, Australia 729
Orchidaceae 1694
Pennisetum glaucum 659
Phragmorchis teretifolia 118
Plantago, Australia 729
quarantine 1449
Sorghum bicolor 2016
Taprobanea spathulata 118
Thrixspermum pensile 118
tropical forests 798
Tuberolabium quisumbingii 118
Vigna 2928
Vigna glabrescens 1715
Vigna mungo 1715
Vigna radiata 1303, 1305, 1715, 1732
Vigna umbellata 1715
Vigna unguiculata 2501
Asiaticosides, *Centella asiatica* 603
Asimina
characterization 2097
USA 2097
Asimina triloba
characterization 2097
Asimina triloba *cont.*
USA 2097
Asparagus
amino acids 2074
China 2074
trace elements 2074
Asparagus adscendens, meiosis 574
Asparagus cooperi, tissue culture, regeneration 430
Asparagus densiflorus, meiosis 574
Asparagus filicinus
amino acids 2074
China 2074
trace elements 2074
Asparagus gonoclados, meiosis 574
Asparagus laevissimus, meiosis 574
Asparagus officinalis
amino acids 2074
Brazil 2761
China 2074
gene banks 2761
meiosis 574
tissue culture
cryopreservation 363, 1875
regeneration 363
vitrification 363
trace elements 2074
Asparagus polyphyllus
amino acids 2074
China 2074
trace elements 2074
Asparagus racemosus, meiosis 574
Asparagus virgatus, meiosis 574
Aspergillus
Cicer arietinum, seed treatment 713
Gossypium hirsutum, seeds 1474
Aspergillus flavus
Arachis hypogaea
disease resistance 2859
seeds 1473
Zea mays, seed treatment 1462
Aspergillus niger, *Arachis hypogaea,* seeds 1473
Asphodelus
chromosome number 1375
North Africa 1375
Asphodelus acaulis
chromosome number 1375
North Africa 1375
Asphodelus cirerae, taxonomy 939
Asphodelus gracilis
chromosome number 1375
North Africa 1375
Asphodelus microcarpus
Israel 256
medicinal properties 256
Asphodelus roseus
chromosome number 1375
North Africa 1375
Asphondylia aucubae, *Aucuba japonica,* pest resistance 600
Asplenium nidus, micropropagation 432
Aster
calyx 926
taxonomy 112-113, 926
Astragalus
Azerbaijan 847
chloroplast genetics, evolution 1929
endangered species 1730
isoenzymes 71
numerical taxonomy 71
population genetics 1730
taxonomy 70, 847-848
Astragalus adsurgens
China 1274, 1743
ecology 1743
salt tolerance 1274
Astragalus alpinus
chromosome number 539
Czechoslovakia 539
Astragalus cremnophylax
new taxa 1624
USA 1624
Astragalus ghamsaricus
Iran 850
new species 850
Astragalus laguroides
chromosome number 2359
Mongolia 2359
taxonomy 2359

Astragalus miniatus
chromosome number 2359
Mongolia 2359
taxonomy 2359
Astragalus penduliflorus
chromosome number 539
Czechoslovakia 539
Astrocasia
Caribbean 97
Central America 97
keys 97
South America 97
taxonomy 97
Athalia proxima, *Brassica juncea,* pest resistance 591
Atherigona biseta, *Setaria italica,* pest resistance 1259
Atmospheric pollution (*see* Air pollution)
Atractantha
South America 133
taxonomy 133
Atractantha aureolanata
Brazil 133
new species 133
Atractantha cardinalis
Brazil 133
new species 133
Atriplex cordobensis
Argentina 2634
seeds
dormancy 2634
germination 2634
storage 2634
Atropa belladonna, genetic transformation, hyoscyamine 6β-hydroxylase 1956
Attalea crassispatha
endangered species 1618
Haiti 1618
taxonomy 1618
Atylosia platycarpa, salt tolerance 546
Atylosia* × *Cajanus
cleistogamy 672
intergeneric hybridization 672
Aucuba japonica
Japan 600
pest resistance, *Asphondylia aucubae* 600
Aulacophora foveicollis, *Cucumis melo,* pest resistance 576
Aulonemia clarkiae
Central America 837
new species 837
Australasia, Orchidaceae 1694
Australia
Acacia aneura 1612
Acacia ayersiana 1612
Acacia colei 156, 1610
Acacia cowleana 156, 1610
Acacia gonoclada 156
Acacia holosericea 156, 1610
Acacia mearnsii 2399
Acacia meiantha 1611
Acacia neurocarpa 156, 1610
Adenanthera 110
Alpinia caerulea 1381
Alstonia actinophylla 1699
Alstonia constricta 1699
Alstonia linearis 1699
Alstonia muelleriana 1699
Alstonia scholaris 1699
Alstonia spectabilis 1699
Amomum dallachyi 1381
Aristida 2358
Aristida browniana 203
Banksia cuneata 160
Bulbine bulbosa 2661
Calotropis gigantea 896
Calotropis procera 896
Canarium 2484
Colocasia 2484
Corchorus macropterus 880
crops 1986, 2484
Cycas arenicola 2426
Dichelachne 2367
Elymus scabrus 2037
Enneapogon avenaceus 203
Eragrostis eriopoda 203
Erianthus 1977
Eucalyptus 883
Eucalyptus absita 885
Eucalyptus alpina 1608
Eucalyptus annuliformis 885
Australia *cont.*
Eucalyptus arenacea 1608
Eucalyptus argutifolia 885
Eucalyptus balanites 885
Eucalyptus baxteri 1608
Eucalyptus creba 1078
Eucalyptus desmondensis 883
Eucalyptus gardineri 883
Eucalyptus ordiana 884
Eucalyptus redunca 883
Eucalyptus wandoo 883
Fagraea gracilipes 2435
forest trees 15, 192, 2207, 2525
forests 811
Glycine 2262
grain legumes 1104
grasses 2803
Grevillea angulata 2436
Grevillea aurea 2436
Grevillea brevis 2436
Grevillea glabrescens 2436
Grevillea microcarpa 2436
Grevillea scapigera 1162
Grevillea wilkinsonii 2434
Helichrysum apiculatum 2661
Helipterum albicans 2661
Hornstedtia scottiana 1381
Ipomoea 2484
Lagarostrobos franklinii 159
Leptorhynchos squamatus 2661
Leptospermum namadgiensis 2433
Macadamia jansenii 1604
Medicago 1986
Medicago laciniata 2812
Medicago minima 2812
Medicago polymorpha 2812
Medicago truncatula 2812
Melaleuca 2401
Monachather paradoxa 203
Musa, Asia 729
Nemophila aphylla 2660
Nothofagus 985
Oryza sativa 1463
Panicum laevinode 203
Phacelia ranunculacea 2660
Plantago, Asia 729
Poa labillardieri 2513
Podocarpus alpinus 158
rain forests 22, 744, 1534
Saccharum 1977
Stipa nitida 203
Stylidium graminifolium 2661
taxonomy 723
Trifolium 1986, 2040
Trifolium hybridum 2040
Trifolium quartinianum 2040
Trifolium repens 8
Trifolium resupinatum 2041
Trifolium rueppellianum 2040
Trifolium steudneri 2040
Trifolium subterraneum 2488
Trifolium tembense 2040
Triticum aestivum 2779
Verticordia 895
Vigna lanceolata 676
Vigna radiata 676
Vigna vexillata 676
Vittadinia muelleri 2661
Wahlenbergia stricta 2661
wild plants 1051
woody plants 2207
Australopyrum* × *Elymus, intergeneric hybridization 2037
Austria
Abies alba 1006
dye plants 2964
grasslands 231
Orchidaceae 120
Avena
breeding 652
Canary Islands 2554
collecting missions 1767, 2554
cytology 2006
fructans 2790
interspecific hybridization 2006
Morocco 1767, 2554
seed banks 1791
Spain 1767, 2554
Syria 1791
utilization 2554
Avena abyssinica
disease resistance
Puccinia coronata 1254
Ustilago segetum 1254
Avena atlantica
interspecific hybridization 1182
linkage 1182
restriction fragment length polymorphism 1182
Avena barbata
disease resistance
Puccinia coronata 1254
Ustilago segetum 1254
Avena byzantina
aneuploidy 2006
disease resistance
Puccinia coronata 1254
Ustilago segetum 1254
ecotypes 2511
genetic variation, isoenzymes 2511
North America 2511
Avena fatua
ecotypes 2534
fatuoids 2534
flowering 2534
Germany 2534
keys 827
outcrossing 2534
taxonomy 827
Avena hirtula
interspecific hybridization 1182
linkage 1182
restriction fragment length polymorphism 1182
Avena maroccana
breeding 652
nutritive value 652
Avena nuda
aneuploidy 2006
disease resistance
Puccinia coronata 1254
Ustilago segetum 1254
fatuoids 2534
flowering 2534
Germany 2534
outcrossing 2534
Avena sativa
aneuploidy 2006
collections 2008
disease resistance
barley yellow dwarf luteovirus 1392
Puccinia coronata 1253-1254
Ustilago segetum 1253-1254
drought resistance 1253
ecotypes 2511
evaluation 1253, 2008
fatuoids 2534
flowering 2534
genetic variation, isoenzymes 2511
Germany 2534
growth period 1253
keys 827
North America 2511
outcrossing 2534
Poland 2008
Russia 1253
seeds
cryopreservation 1094
germination 1098
storage 1098
taxonomy 827
Avena sterilis
collections 1918
Ethiopia 2007
genetic variation, isoenzymes 2007
Israel 1786
keys 827
Mediterranean countries 2007
plant communities 1786
restriction fragment length polymorphism 1918
taxonomy 827
West Asia 2007
Averrhoa carambola
gamma radiation 716
quarantine, *Anastrepha suspensa* 716
tissue culture, regeneration 380
USA 716
Azadirachta indica
ethnobotany 2619
medicinal properties 2619

Azadirachta indica *cont.*
molluscicidal properties 2897
Nigeria 2897
tissue culture, regeneration 439
Azerbaijan
Astragalus 847
grasslands 231
Azolla
collections 1227
gene banks 1227
Philippines 1227
Azores
Lupinus albus 1036
Lupinus luteus 1036
Aztekium ritteri
endangered species 1168
Mexico 1168
tissue culture, regeneration 1168
Bacteria
seed testing 1453
seeds 1452
Bahamas, Orchidaceae 1688
Bahrain, salt land 236
Baking quality
Hordeum × *Triticum* 615
triticale 615
Triticum aestivum 615
Triticum durum 615
Balanites aegyptiaca
Africa 745
multipurpose trees, handbooks 745
Balearic Islands, Apioideae 2477
Bambuseae
micropropagation 2700
Sabah 2481
surveys 2481
tissue culture, storage 2700
Banana bunchy top virus, *Musa, in vitro* culture 715
Bangladesh
Cicer arietinum 9
Psilanthus fragrans 1605
Triticum aestivum 516
Banisteriopsis caapi
Ecuador 2602
ethnobotany 2602
hallucinogens 2602
Peru 2602
Banksia cuneata
Australia 160
distribution 160
endangered species 160
genetic variation, isoenzymes 160
Baphia madagascariensis
Madagascar 851
new species 851
Barley yellow dwarf luteovirus
Agropyron, disease resistance 540
Avena sativa, disease resistance 1392
Elymus, disease resistance 540
Elymus hispidus, disease resistance 1403
Elymus × *Triticum*
chromosome addition 625
disease resistance 1396
recombination 625
somaclonal variation 625
Hordeum, disease resistance 540
Hordeum vulgare, disease resistance 1392
Leymus, disease resistance 540
Triticum, disease resistance 1392
Triticum aestivum, disease resistance 1392, 1403
Barley yellow mosaic bymovirus
Hordeum vulgare
disease resistance 1251
genetics 1251
Barringtonia edulis
keys 918
Papua New Guinea 918
taxonomy 918
Barringtonia novae-hiberniae
keys 918
Papua New Guinea 918
taxonomy 918
Barringtonia procera
keys 918
Papua New Guinea 918
taxonomy 918
Bauhinia
evaluation 2821
Bauhinia *cont.*
India 2821
Bauhinia loeseneriana
Tanzania 1643
taxonomy 1643
Baurera, taxonomy 100
Bean common mosaic potyvirus, *Phaseolus vulgaris,* collections 2214
Becium
Africa 2473
distribution 2473
taxonomy 2473
Beckmannia syzigachne
ecotypes 2809
evaluation 2809
USA 2809
Beet necrotic yellow vein furovirus
Beta patellaris, disease resistance 2199
Beta procumbens, disease resistance 2199
Beta vulgaris, disease resistance 2199
Beet pseudo-yellows virus
Cucumis melo
disease resistance 687
genetics 687
Beet western yellows luteovirus, *Lactuca virosa,* disease resistance 680
Begonia
collections 2690
endangered species 2690
tissue culture, regeneration 2690
Belarus, *Lupinus angustifolius* 2926
Belgium, *Musa* 501
Belize, forests 23
Bemisia tabaci
Cucumis melo, pest resistance 1320, 2845
Cucurbita ecuadorensis, pest resistance 2845
Cucurbita lundelliana, pest resistance 2845
Lagenaria siceraria, pest resistance 2845
Benin
Dioscorea 2563
Panicum hirtiglume 2353
Beta
descriptors 1355
DNA probes, evolution 475
evolution 1562
genetic resources 2263
networks 2147
pest resistance, *Heterodera schachtii* 1354
restriction fragment length polymorphism, evolution 475
Russia 2263
taxonomy 1562
Beta atriplicifolia
genetics
annual habit 2106
flowering 2106
isoenzymes 2106
interspecific hybridization 2106
Beta macrocarpa
genetics
annual habit 2106
flowering 2106
isoenzymes 2106
interspecific hybridization 2106
restriction fragment length polymorphism, taxonomy 1946
Beta maritima
genetics
annual habit 2106
flowering 2106
isoenzymes 2106
interspecific hybridization 2106
mitochondrial genetics, cytoplasmic male sterility 1945
restriction fragment length polymorphism, taxonomy 1946
Beta patellaris
disease resistance
beet necrotic yellow vein furovirus 2199
Polymyxa betae 2199
genetic engineering 477
interspecific hybridization 2199
molecular genetics 477
pest resistance, *Heterodera schachtii* 1354
Beta patula
genetics
annual habit 2106
flowering 2106
isoenzymes 2106
Beta procumbens
chromosome addition 2199
disease resistance
beet necrotic yellow vein furovirus 2199
Polymyxa betae 2199
interspecific hybridization 2199
pest resistance, *Heterodera schachtii* 1354, 1444
restriction fragment length polymorphism, taxonomy 1946
Beta vulgaris
biosafety 1947, 2709
chromosome addition 2199
cytology 1444
disease resistance
beet necrotic yellow vein furovirus 2199
Polymyxa betae 2199
France 1947
genetic engineering 477
genetics
annual habit 2106
flowering 2106
isoenzymes 2106
interspecific hybridization 1444, 2106, 2199
molecular genetics 477
evolution 1201
Netherlands 2709
pest resistance, *Heterodera schachtii* 1444
restriction fragment length polymorphism
evolution 1947
taxonomy 1946
seed treatment, germination 262
beetroots
isoenzymes 476
restriction fragment length polymorphism 476
somaclonal variation 476
fodder beet
isoenzymes 476
restriction fragment length polymorphism 476
somaclonal variation 476
sugarbeet
isoenzymes 476
landraces 2201
plant introduction 2200
restriction fragment length polymorphism 476
somaclonal variation 476
regeneration 386
tissue culture, regeneration 386
USA 2200
utilization 2200
Beta webbiana, pest resistance, *Heterodera schachtii* 1354
Betula celtiberica, seeds, cryopreservation 1094
Betula papyrifera
ornamental value 2879
UK 2879
Beverages, wild plants 245
Bhutan, *Sorbus* 81
Bidens szechuanica
China 823
new species 823
Bignoniaceae
distribution 903
ethnobotany 249
keys 903
taxonomy 903
Biodiversity
Caribbean 2972
conservation 1510
economics 1510
grasslands 2582
legislation 1510
policy 2320
Biographies
Vavilov, N. I. 2246-2248
Williams, R. S. 1028
Biosafety 2703
Beta vulgaris 1947, 2709

Biosafety *cont.*
biotechnology 1905
Brassica napus
Hirschfeldia incana 1911
rape 1911, 2709
Cichorium 1939
Cichorium intybus 1939
crops
genetic transformation 1909
herbicide resistance 2708
Setaria italica 1921
Setaria verticillata 1921
Solanum tuberosum 2709
Zea mays 2709
Biosystematics, Lauraceae 93
Biotechnology 326, 447, 1906-1907
Africa 444
Allium 2707
biosafety 1905
books 738
breeders' rights 1553
Cicer 2707
conservation 2276
Cymbopogon jwarancusa 2707
Developing Countries 1903, 1905
gene banks 444
genetic resources 1500, 1904
development aid 445
Hordeum 2707
Hyssopus officinalis 2707
India 2702
international organizations 1903
Manihot esculenta 1936
medicinal plants 2707
ornamental woody plants 331
Oryza 2707
Oryza sativa 1910, 1925
politics 28
Prunus 1942
Solanum 2707
Solanum melongena 463
Solanum tuberosum 463
sustainability 444, 2702
Theobroma cacao 478, 1910
trees 331
USA 28
Vigna 2707
Zea mays 742
Bipolaris *(see Cochliobolus)*
Bismarckia
chromosome morphology 2335
cytotaxonomy 2335
evolution 2335
Bixa orellana
Brazil 1170
tissue culture 1170
Bletilla formosana
Taiwan 1570
taxonomy 1570
Boehmeria diffusa
China 1047
collecting missions 1047
Boehmeria gracilis
China 1047
collecting missions 1047
Boehmeria grandifolia
China 1047
collecting missions 1047
Boehmeria hirsutum
China 1047
collecting missions 1047
Boehmeria nivea
China 1047, 2679, 2869
chromosome morphology 2869
collecting missions 1047
collections 2679
conservation 2679
disease resistance 2870
Boehmeria platanifolia
China 1047
collecting missions 1047
Boehmeria spicata
China 1047
collecting missions 1047
Bolivia
Acalypha rusbyi 1028
collecting missions 1028
Digitaria dioica 1010
environmental degradation 778
fodder plants 2557
Oryza latifolia 1263
Bolivia *cont.*
Oryza rufipogon 1263
Oxypetalum apoloensis 1028
resource management 778
Triticum durum 1964
Bonamia ovalifolia
distribution 936
endangered species 936
USA 936
Books
angiosperms, evolution 737
antifungal plants, ethnobotany 2979
Barley-genetics, biochemistry, molecular biology and biotechnology 522, 741
Biodiversity: implications for global food security 2246-2252, 2260, 2279, 2284, 2313-2314, 2569, 2702, 2707, 2756, 2904, 2909, 2923, 2960, 2984
Biodiversity -social ecological perspectives 2238
biotechnology 738
Biotechnology and developing country agriculture 742
Biotechnology -enhancing research on tropical crops in Africa 2240, 2274, 2706, 2717, 2720, 2725
Biotechnology — enhancing research on tropical crops in Africa 2755
Biotechnology -enhancing research on tropical crops in Africa 2831, 2907-2908, 2928-2930, 2933
botanical gardens, conservation 1487
Chamaedora, taxonomy 2993
Chromosome engineering in plants, part A 1408, 1410
Chromosome engineering in plants, part B 1584, 1710, 1713-1714, 1718, 1725
Cocos nucifera
conservation 2244
utilization 2244
conservation 2229-2231, 2233, 2981-2982
economics 1484
population genetics 2983
Contribution to Indian ethnobotany 735
crops
centres of diversity 2241
centres of origin 2241
domestication 1486
plant introduction 2986
diversity, conservation 2236
Earth and us -population-resources-environment-development 2228
Fighting over the forests 744
Fire in North American tallgrass prairies 743
fodder plants 2242
forest trees
distribution 2991
taxonomy 2991
forests
conservation 2990
distribution 2991
environmental degradation 2990
taxonomy 2991
Fundamentals of orchid biology 2994
gene banks, networks 739
genetic diversity, agriculture 2985
genetic resources
conservation 2232
networks 739
sustainability 2232
Genetics and conservation of rare plants 1526-1528, 1530, 1540, 1730, 1734-1737, 1749-1750, 1957, 1984, 2234
global warming 2982
Global warming and biological diversity 2982
grasses, taxonomy 1489
grasslands
conservation 2988
distribution 2988
plant communities 2989
Growing diversity -genetic resources and local food security 1518-1523, 1532, 1548, 1814-1815, 1826, 1844, 1958, 2232
Hordeum
breeding 741
Books *cont.*
Hordeum cont.
genetic resources 741
molecular genetics 741
in vitro culture 1485
Indian forestry: a perspective 2990
Iris
distribution 746
taxonomy 746
Iris of China 746
Kuwaiti plants 733
Malus
distribution 1490
evolution 1490
taxonomy 1490
medicinal plants
distribution 733
ethnobotany 733, 2979
Mimosa, taxonomy 1495
molecular genetics 2237
national parks 2981
Natural grasslands — introduction and western hemisphere 2243
nature reserves 2981
Orchids of Malawi 2245
Origin, evolution and diversity of Cuban plant genetic resources 1503, 1531, 1816, 1820-1824, 1987, 2235
Oryza sativa, genetic resources 2987
Palmae
conservation 1494
utilization 1494
pesticidal plants, ethnobotany 2979
Phytochemical resources for medicine and agriculture 2979
Plant adventures and the Portuguese discoveries 2986
poisonous plants, ethnobotany 2979
population genetics 2237
rain forests, diversity 1492
Rice in China 2987
Species conservation -a population-biological approach 2275, 2508, 2510, 2532, 2983
sustainability, economics 1484
The concise flora of Singapore 736
The lowland grasslands of central and eastern Europe 2988
The vegetation of Egypt 1488
The world environment 1972-1992 -two decades of challenge 2239
tissue culture 738
Tissue culture in agriculture 1120-1121, 1386-1388, 1485
Traditional plant foods of Canadian indigenous peoples 2980
Tropical botanic gardens: their role in conservation and development 1487
tropical forests
conservation 1491
environmental degradation 1493
minor forest products 1491
Wheat genetic resources at CIMMYT 740
wild plants
ethnobotany 2980
nutritive value 2980
taxonomy 2980
woody plants, taxonomy 2992
Borago officinalis
population genetics 1757
Spain 1757
Botanical gardens
conservation, books 1487
crops 1233, 2745
education 2133
ferns 2768
flora 2745
history 2753
ornamental plants 503, 2766
Palmae 2302
Pteridophyta 2306
rain forests 2302
Rosa 2766
Rubus caesius 1334
Syringa 2766-2767
UK 2753
Botryodiplodia theobromae
Ipomoea batatas
disease resistance 570
post harvest treatment 570

Botryotinia (*see Sclerotinia*)
Botrytis (*see also Sclerotinia*)
Botswana
Cenchrus ciliaris 280-281
Chloris virgata 280
Croton megalobotrys 257
Enneapogon cenchroides 280-281
Eragrostis rigidior 280
Eragrostis rigidor 281
Panicum maximum 280-281
Setaria verticillata 280-281
Tragus berteronianus 280-281
Urochloa mosambicensis 280
Urochloa trichopus 281
Brachyglottis compacta
conservation 538
evaluation 538
New Zealand 538
Brachypodium
China 2033
evaluation 2033
Pakistan 2033
Sweden 2033
Brachypodium distachyon
drought resistance 2801
ecotypes 2801
Israel 2801
taxonomy 839
Brachypodium glaucovirens, taxonomy 839
Brachypodium mexicanum, taxonomy 839
Brachypodium phoenicoides, taxonomy 839
Brachypodium pinnatum, taxonomy 839
Brachypodium retusum, taxonomy 839
Brachypodium rupestre, taxonomy 839
Brachypodium sylvaticum, taxonomy 839
Brassica
characterization 2073
chemotaxonomy 89, 1592
China 2855
chloroplast genetics, taxonomy 1943
collecting missions 174
disease resistance
Rhizoctonia solani 1346
Xanthomonas 2072
distribution 876
Egypt 2387
evaluation 174
evolution 1347
gene mapping 2726
genomes 1347
interspecific hybridization 1347
Italy 876
landraces 2072
Mediterranean countries 1592
mitochondrial genetics, taxonomy 1943
numerical taxonomy 2387
pekinensis
seed treatment
storage 295
vigour 295
Portugal 2072
random amplified polymorphic DNA, taxonomy 473
taxonomy 876
wild relatives 1347
Brassica campestris
Alternaria brassicae 679
archaeology 1716
China 1041, 2854
collections 2386
embryo culture 679
evaluation 2854
Germany 2386
Greece 1716
interspecific hybridization 679
oils 1041
ovule culture 679
restriction fragment length polymorphism, evolution 1944
seeds
germination 297
temperature 297
taxonomy 2386
turnip rape, disease resistance, viruses 2855
Brassica cretica
chemotaxonomy 1592
Mediterranean countries 1592
Brassica juncea
China 1041, 2854
collections 2386
Brassica juncea *cont.*
disease resistance
Albugo candida 591
Alternaria brassicae 591
Peronospora parasitica 591
viruses 2855
evaluation 2854
Germany 2386
India 591
oils 1041
pest resistance
Athalia proxima 591
Lipaphis erysimi 591
stress 591
taxonomy 2386
Brassica montana, restriction fragment length polymorphism, evolution 1944
Brassica napus
anther culture 384
China 1041, 2854
collections 2386
disease resistance, *Leptosphaeria maculans* 1345
evaluation 2854
genetics, *Leptosphaeria maculans* 1345
Germany 2386
Hirschfeldia incana
biosafety 1911
France 1911
interspecific hybridization 1911
oils 1041
pollen
cryopreservation 384, 1148
storage 1149
restriction fragment length polymorphism, evolution 1944
seed aging
viability 310
vigour 310
seed moisture 1095
seed testing 1095
seeds
germination 297
temperature 297
taxonomy 2386
rape
biosafety 1911, 2709
France 1911
interspecific hybridization 1911
moisture content 2651
Netherlands 2709
viruses 2855
Brassica nigra
collections 2386
Germany 2386
taxonomy 2386
Brassica oleracea
chemotaxonomy 1592
Mediterranean countries 1592
random amplified polymorphic DNA 1938
restriction fragment length polymorphism, evolution 1944
seed treatment, germination 296
seeds
germination 297
temperature 297
cabbages, disease resistance, *Peronospora parasitica* 2838
Brassica rupestris
collecting missions 184
Italy 184
Brassica spinescens
Alternaria brassicae 679
embryo culture 679
interspecific hybridization 679
ovule culture 679
Brassica* × *Diplotaxis, intergeneric hybridization 2955
Brassica* (×) *Moricandia, protoplast fusion 474
Brassica* × *Raphanus
embryo culture 679
intergeneric hybridization 679
ovule culture 679
shedding 679
Brassolaeliocattleya, micropropagation 428
Brazil
Acrocomia aculeata 154
Aeschynomene graminoides 853
Aeschynomene simplicifolia 853
Brazil *cont.*
Alstroemeria 1447
Anacardium amapaënse 1603
Arthrostylidium fimbrinodum 2368
Arthrostylidium grandifolium 2368
Asparagus officinalis 2761
Atractantha aureolanata 133
Atractantha cardinalis 133
Bixa orellana 1170
Brosimum acutifolium 253
Byrsonima stannardii 1642
Canavalia cassidea 852
Chusquea 1702
Coccoloba bullata 1627
Coleus forskohlii 253
Couepia morii 882
Digitaria neesiana 1010
Dimorphandra parviflora 1829
Dioscorea 2069
Dorstenia asaroides 253
economic sociology 1818
Elaeis melanococca 2523
Eschweilera pseudodecolorans 1625
ethnobotany 1818
forests 247
Hevea 1564
Hevea brasiliensis 1564
Hyptis 253
Jessenia 1223
Jessenia bataua 1044
Laelia bahiensis 1376
Leopoldinia piassaba 2618
Licania cidii 882
Lobelia organensis 1371
Manihot esculenta 769
medicinal plants 253, 1837, 2889
Melocactus conoideus 800
Merostachys burmanii 958
Neoglaziovia variegata 1372
Oenocarpus 1223
Oenocarpus bacaba 1044
Oenocarpus distichus 1044
Oenocarpus minor 1044
Oryza sativa 533, 2165
Panicum caparoense 2354
Petivera alliacea 253
Piper nigrum 1170
Platonia insignis 1170
Pleurotus ostreatoroseus 709
Podocarpus acuminatus 1652
Protium bahianum 1641
Protium icicariba 1641
Prunus persica 2761
Prunus salicina 2761
Psychotria colorata 253
rain forests 1506, 2612
Sarcoglottis caudata 915
Scutellria 253
Solanum paraibanum 872
Spigelia flava 1367
Theobroma cacao 14
Vellozia kolbekii 915
wild plants 992
Zea mays 655, 2013
Breeders' rights
biotechnology 1553
conservation 2314
Developing Countries 807, 2312, 2314, 2318
genetic resources 18, 30, 803, 1384
India 27
Mexico 1550
USA 2318
Breeding
Abelmoschus caillei 151
Abelmoschus esculentus 151
Aegilops squarrosa 619
Aegilops ventricosa 623
Agropyron 660
Alstroemeria 1447
Amaranthus 2911
Arachis hypogaea 2196
Avena 652
Avena maroccana 652
Carya cathayensis 875
Cicer arietinum 2174
Cucumis sativus 1437
Dacryodes edulis 2961
Dioscorea 2937
Elymus 660
fodder legumes 1415, 2169-2170

Breeding *cont.*
forest trees, molecular genetics 2727
Fragaria ananassa 2191
Fragaria chiloensis 2191
Fragaria virginiana 2191
Galega orientalis 2927
genetic resources 240, 1498
Gossypium arboreum 705
Gossypium hirsutum 705, 2206
Gossypium raimondii 705
Gossypium stocksii 705
Gossypium sturtii 705
Gossypium thurberi 705
grain legumes 2170, 2174
Helianthus 1440
Helianthus annuus 1440
Hordeum, books 741
Ipomoea batatas 2936
Irvingia gabonensis 2961
Jasminum grandiflorum 708
Juglans regia 1344
Lens culinaris 2174
Leymus 660
Lupinus angustifolius 2926
Manihot esculenta 2935, 2967
Medicago 2169
Medicago coerulea 1415
Medicago glutinosa 1415
Medicago sativa 1415
Oryza sativa 146, 2165-2166
Osycoccus 2950
Pennisetum glaucum, landraces 659
pest resistance, nematoda 1390
Pisum sativum 2174
Prunus serotina 2948
Psathyrostachys 660
root crops 2178
Secale cereale 619
Solanum tuberosum 2182
Sorghum bicolor 657
Thinopyrum 660
Treculia africana 2961
Trifolium 2169
Trifolium pratense 1415
Trifolium repens 8
triticale 2911
Triticeae 1391
Triticum aestivum 619, 623-624, 1240, 2911
Triticum durum 624
Triticum persicum 623
Vaccinium 2949-2950
Vaccinium corymbosum 2949
Vaccinium macrocarpon 2949
Vaccinium oxycoccus 2949
Vaccinium uliginosum 2949
Vaccinium vitis-idaea 2949
Vicia faba 2174
Vicia sativa, shedding 2925
Zea mays 655
Bromus
cytology 1710
evolution 1710
seed banks 1791
Syria 1791
taxonomy 2363
Bromus fasciculatus
drought resistance 2801
ecotypes 2801
Israel 2801
Bromus tectorum
ecotypes 1000
Europe 63
population genetics 998-1000
taxonomy 63
USA 998-1000
Brosimum acutifolium
Brazil 253
medicinal properties 253
Brownea coccinea
keys 899
taxonomy 899
***Brugmansia arborea*,** chemotaxonomy 125
Brugmansia suaveolens
Ecuador 2602
ethnobotany 2602
hallucinogens 2602
Peru 2602
***Brunellia*,** taxonomy 100
Brunfelsia grandiflora
Ecuador 2602
Brunfelsia grandiflora *cont.*
ethnobotany 2602
hallucinogens 2602
Peru 2602
Bryophyta
drought 195
Kuwait 195
plant communities 195
***Buchtienia*,** taxonomy 1690
Bulbine bulbosa
Australia 2661
seeds, storage 2661
***Bulbophyllum macranthoides*,** taxonomy 123
***Bulbophyllum reevei*,** new species 123
***Bulbophyllum tollenoniferum*,** taxonomy 123
Bulgaria, *Peridictyon sanctum* 2364
Burma
Ixora keenanii 1657
Mucuna 846
Burning
grasslands 201, 743, 1811
plant communities 220, 1058, 1060, 1785, 2592
succulent plants 1811
Buxus
Central America 2338
evolution 2338
pollen 2338
South East Asia 2338
Southern Africa 2338
taxonomy 2338
Byrsonima stannardii
Brazil 1642
new species 1642
Cactaceae
endangered species 1891
tissue culture, regeneration 1891
Cadetia microphyton
Asia 118
taxonomy 118
Caesalpinia bonduc
keys 99
Taiwan 99
taxonomy 99
Caesalpinia crista
keys 99
Taiwan 99
taxonomy 99
Caesalpinia decapetala
keys 99
Taiwan 99
taxonomy 99
Caesalpinia macvaughii
Mexico 910
new species 910
Caesalpinia minax
keys 99
Taiwan 99
taxonomy 99
Caesulia axillaris
seeds
germination 323
light 323
nitrogen 323
storage 323
Caffeine
Coffea arabica 1356
Coffea bengalensis 1356
Coffea canephora 1356
Coffea dewevrei 1356
Coffea eugenioides 1356
Coffea kianjavatensis, chemotaxonomy 2109
Coffea salvatrix 1356
Coffea stenophylla 1356
Cajanus
domestication
fruits 139
seeds 139
restriction fragment length polymorphism, taxonomy 2373
Cajanus cajan
China 1286, 1585
cold resistance 561
collecting missions 179, 1030-1031
collections 2756
cytology 1560
distribution 1585
evaluation 1286, 1585
Cajanus cajan *cont.*
evolution 1560
gene banks 500, 2756
India 179, 561, 2756
salt tolerance 546
Syria 500
taxonomy 1560, 1585
Uganda 1030-1031
***Cajanus* × *Atylosia*,** intergeneric hybridization 672
Calamus
Indonesia 1638
taxonomy 1638
Calamus inops
Indonesia 1638
taxonomy 1638
Calamus orthostachys
Indonesia 1638
taxonomy 1638
Calamus pedicellatus
Indonesia 1638
taxonomy 1638
Calamus robinsonianus
Indonesia 1638
taxonomy 1638
Calathea liesneri
new species 2472
Venezuela 2472
Caldcluvia paniculata
keys 1650
South America 1650
taxonomy 1650
***Calendula micrantha*,** molluscicidal properties 607
Callianthemum shennongjacum
China 823
new species 823
Calligonum polygonoides
seeds
dormancy 2640
germination 2640
***Callosobruchus chinensis*,** *Vigna radiata*, pest resistance 1303, 2177
Callosobruchus maculatus
Vigna mungo, pest resistance 2063
Vigna radiata, pest resistance 1303, 2063, 2177
Vigna unguiculata 566
Calluna vulgaris
endangered species 2429
soil pH 2429
toxic substances 2429
Calotropis gigantea
Australia 896
taxonomy 896
Calotropis procera
Australia 896
taxonomy 896
Calystegia longipes
distribution 936
endangered species 936
USA 936
Calyx
Aster 926
Gymnaster 926
Heteropappus 926
Kalimeris 926
Cambodia, *Oryza sativa* 1217
Camellia
China 105, 2118-2119
chromosome morphology 2119
chromosome number 2118-2119
new species 105
Camellia edithae
China 2117
chromosome banding 2117
Camellia japonica
China 188, 2117
chromosome banding 2117
chromosome number 2116
collecting missions 188
keys 188
Korea Republic 2116
Camellia pitardii
China 2117
chromosome banding 2117
Camellia saluenensis
China 2117
chromosome banding 2117
Camellia sinensis
centres of origin 1563

Camellia sinensis *cont.*
chemotaxonomy 1563
China 1563, 2107
collecting missions 1046
evaluation 2107
evolution 1563
recalcitrant seeds
cryopreservation 1125
storage 315
viability 315
seeds
cryopreservation 316
germination 316
storage 316
Cameroon
conservation 2267
Dioscorea 2563
forests 1054
Gossypium arboreum 91
Gossypium barbadense 91
Gossypium herbaceum 91
Gossypium hirsutum 91
grasslands 196
Palmae 2302
rain forests 2302
root crops 2178
Tithonia diversifolia 2129
Campanula afra, pollination 1018
Campanula dichotoma, pollination 1018
Campanula kremeri, pollination 1018
Campanula lusitanica, pollination 1018
Campanula persicifolia, pollination 1018
Campanula rotundifolia, pollination 1018
Camptoloma
keys 1671
taxonomy 1671
Camptotheca acuminata
tissue culture
alkaloids 483
camptothecin 483
Camptothecin, *Camptotheca acuminata,* tissue culture 483
Canada
Amelanchier alnifolia 2947
conservation 777
Cornus stolonifera 2658
Corylus cornuta 2947
databases 1569
Elymus trachycaulus 1275
endangered species 2326
forest trees 982
gene banks 1961
Glycine max 548
grasslands 1803
libraries 2905
Microseris bigelovii 1009, 1205
Palaeocarpinus joffrensis 1615
Pinus ponderosa 914
Poa alpina 1275
Poa labradorica 1709
Prunus pensylvanica 2947
Prunus virginiana 2947
quarantine 2212
Ribes 2947
Shepherdia argentea 2947
Spiranthes magnicamporum 423
Vaccinium myrtilloides 2947
Vaccinium vitis-idaea 2947
Viburnum trilobum 2947
wild plants 960, 2980
Canarium
Australia 2484
domestication 2484
New Guinea 2484
Pacific Islands 2484
subsistence farming 2484
Canary Islands
Avena 2554
Chamaecytisus proliferus 912
vegetables 2561
Canavalia
evaluation 2821
India 2821
Canavalia cassidea
Brazil 852
new species 852
Canavalia gladiata
China 1286
evaluation 1286
Cannabinoids, *Cannabis* 1359
Cannabis
cannabinoids 1359
collections 1225
gene banks 1225
Cannabis sativa
China 1041, 1047
collecting missions 1047
oils 1041
Canthium
Africa 1636
keys 1636
taxonomy 1636
Capsella bursa-pastoris, seeds, germination 1119
Capsicum
disease resistance 1436
haploidy 1436
interspecific hybridization 1436
linkage 1436
pest resistance 1436
seeds
germination 2648
storage 2648
Capsicum annuum
disease resistance
Leveillula taurica 2946
Phytophthora capsici 2843
tobacco mosaic tobamovirus 2945
genetics, *Leveillula taurica* 2946
Hungary 300
interspecific hybridization 2945
Israel 2946
Mexico 1192
nutritive value 2844
plant composition 2844
restriction fragment length polymorphism 1192
seeds
germination 300
storage 300
tissue culture, regeneration 366, 1140, 2671
Yugoslavia 2945
Capsicum baccatum
interspecific hybridization 686
meiosis 686
sterility 686
tissue culture, regeneration 1140, 2671
Capsicum chinense
disease resistance, tobacco mosaic tobamovirus 2945
interspecific hybridization 2945
Mexico 1192
restriction fragment length polymorphism 1192
tissue culture, regeneration 2671
Yugoslavia 2945
Capsicum frutescens
disease resistance, tobacco mosaic tobamovirus 2945
interspecific hybridization 686, 2945
meiosis 686
Mexico 1192
restriction fragment length polymorphism 1192
sterility 686
tissue culture, regeneration 2671
Yugoslavia 2945
Capsicum pubescens, tissue culture, regeneration 2671
Carbohydrates, *Allium cepa* 1314
Cardenolide, *Digitalis obscura* 1208
Cardiac glycosides
Maquira 2621
Naucleopsis 2621
Carex bergrothii
Finland 1577
taxonomy, chromosome number 1577
Carex bigelowii
genetic variation, seed banks 2514, 2516
USA 2514, 2516
Carex curvula
France 1808
plant communities 1808
Switzerland 1808
Carex flava
Finland 1577
taxonomy, chromosome number 1577
Carex jemtlandica
Finland 1577
taxonomy, chromosome number 1577
Carex kotilaini
Finland 1577
taxonomy, chromosome number 1577
Carex viridula
Finland 1577
taxonomy, chromosome number 1577
Caribbean
Astrocasia 97
biodiversity 2972
Jacquinia arborea 1621
Jacquinia keyensis 1621
Mimosa 1495
Mosiera 94
Oncidium 1687
Orchidaceae 1687
Panicum 2354
Carica, DNA fingerprinting, taxonomy 1198
Carica cauliflora
interspecific hybridization 378
protoplasts, regeneration 378
Carica papaya
DNA fingerprinting, taxonomy 1198
embryo culture 1387
interspecific hybridization 378
ovule culture 1387
protoplasts, regeneration 378
regeneration 2673
seed dormancy 1110
storage 2673
tissue culture 2673
Carthamus
chemotaxonomy 1350
cytology 1350
cytotaxonomy 1350
interspecific hybridization 1350
sterility 1350
Carthamus tinctorius
China 1042
collecting missions 1042
India 1472, 1476
seeds
fungi 1472
Sclerotinia sclerotiorum 1476
Carya cathayensis
breeding 875
China 875
distribution 875
taxonomy 875
utilization 875
Caryopsis (*see* Seeds)
Caryopteris incanca, vegetative propagation 411
Cassia
centres of origin 40
chemotaxonomy 40
India 40, 2642
seed treatment, germination 2642
South East Asia 40
Cassia alata
ethnobotany 251
Guatemala 251
Cassia lancangensis
China 128
new species 128
Cassia marilandica
evaluation 2818
USA 2818
Cassia siamea
centres of origin 40
chemotaxonomy 40
India 40
South East Asia 40
Castanea
embryo culture, cryopreservation 2682
Georgia 2575
in situ conservation 2575
nature reserves 2575
Castanea crenata
disease resistance
Phytophthora cambivora 2953
Phytophthora cinnamomi 2953
interspecific hybridization 2953
Castanea dentata, tissue culture, regeneration 381
Castanea mollissima
China 1733
genetic diversity 1733
Castanea sativa
disease resistance
Phytophthora cambivora 2953
Phytophthora cinnamomi 2953

Castanea sativa *cont.*
interspecific hybridization 2953
Catalase, *Prunus persica,* genetics 1333
Catalogues
Arachis, gene banks 502
Arachis hypogaea 2102
gene banks 2104
Cicer arietinum 1298
collecting missions 1025
Osycoccus 2950
Vaccinium 2950
Catasetum
interspecific hybridization 945
taxonomy 945
tissue culture, regeneration 426
Venezuela 945
Catasetum guianense
Guyana 948
taxonomy 948
Catasetum incurvum
Peru 948
taxonomy 948
Catasetum macroglossum
Ecuador 948
taxonomy 948
Catasetum sodiroi
Ecuador 948
taxonomy 948
Catasetum violascens
Peru 948
taxonomy 948
Catechol oxidase
Lycopersicon 2830
Solanum 2830
Solanum berthaultii 2830
Catharanthine, *Catharanthus roseus,* tissue culture 1209
Catharanthus roseus
alkaloids 484, 2894
cell culture, alkaloids 488
in vitro culture, alkaloids 486
interspecific hybridization 2894
isoenzymes 2894
protoplasts, cryopreservation 1173-1174
seeds
germination 2662
storage 2662
tissue culture
catharanthine 1209
vindoline 1209
Catharanthus trichophyllus
alkaloids 2894
interspecific hybridization 2894
isoenzymes 2894
Cathaya bergeri
Greece 2494
palaeobotany 2494
Cedrus atlantica, isoenzymes 2113
Cedrus brevifolia, isoenzymes 2113
Cedrus deodara, isoenzymes 2113
Cedrus libani, isoenzymes 2113
Cedrus vivariensis
Greece 2494
palaeobotany 2494
Cell culture
Artemisia annua, flavonoids 2737
Catharanthus roseus, alkaloids 488
Digitalis lanata, cryopreservation 1171
Digitalis thapsi, digitoxin 489
Dioscorea deltoides, cryopreservation 1900
Ginkgo biloba, ginkgolide 487
Hordeum vulgare, cryopreservation 333
Papaver somniferum, cryopreservation 2692
Tabernaemontana pandacaqui, alkaloids 2739
Tripterygium wilfordii, pharmaceutical products 2738
Undaria pinnatifida, cryopreservation 2701
Cenchrus ciliaris
Botswana 280-281
seed dormancy 280
seed treatment, germination 2637
seeds, fire resistance 281
tissue culture, regeneration 340
Cenchrus glaucus
India 283
seeds
dormancy 283
Cenchrus glaucus *cont.*
seeds *cont.*
germination 283
storage 283
Centaurea cronquistii
Armenia 1680
new species 1680
Centaurium rigualii
endangered species 421
tissue culture, storage 421
Centella asiatica
accessory chromosomes 603
asiaticosides 603
ecotypes 603
India 603
Central Africa
Ipomoea 1676
Merremia 1676
rain forests 1607
Central America
Andropogon gerardii 837
Annona pruinosa 1631
Arberella grayumii 837
Arthrostylidium judziewiczii 837
Arthrostylidium merostachyoides 837
Astrocasia 97
Aulonemia clarkiae 837
Buxus 2338
Chondrosum 837
Coccoloba 1627
Cryptochloa soderstromii 837
Danthonia chiapasensis 837
Dichanthelium 837
Digitaria breedlovei 837
Digitaria clavitricha 837
Eragrostis rufescens 837
Gliricidia sepium 2531
Guadua 837
Guadua macclurei 837
Gurania 861
Inga 2403
Lycaste candida 2457
Merostachys latifolia 837
Ouratea 1632
Panicum 2354
Panicum aquaticum 837
Pariana argentea 837
Paspalidium 837
Pereilema diandrum 837
Physalis pruinosa 1602
Rhipidocladum martinezii 837
Sechium 862
Sechium panamense 862
Sechium venosum 862
Solanum, tuberous species 467, 2067
Styphnolobium 2404
Centres of diversity
crops, books 2241
grasses 2261
Hevea 1564
Hevea brasiliensis 1564
Pinus 2423, 2495
Quercus 2393
Raphanus sativus 1561
Turkey 2498
Vigna radiata 1303, 1732
wild plants 992
Centres of origin
Camellia sinensis 1563
Cassia 40
Cassia siamea 40
Chimonanthus praecox 823
Cicer arietinum 2490
crops 1026
books 2241
Davidia involucrata 823
Eriobotrya japonica 38
Fagopyrum 812
Lonicera 1601
Morus australis 823
Nothofagus 986
Orchidaceae 987
Raphanus sativus 1561
Senecio cambrensis 988
Centrosema, tissue culture, regeneration 350
Centrosema brasilianum, tissue culture, regeneration 350
Cephaelis ipecacuanha, tissue culture, regeneration 2693
Cephalaria tatarica
evolution, isoenzymes 1723
Cephalaria tatarica *cont.*
genetics, isoenzymes 1723
Cerasus *(see Prunus)*
Ceratocystis fimbriata
Ipomoea batatas
disease resistance 570
post harvest treatment 570
Ceratozamia hildae, embryo culture 399
Ceratozamia mexicana, embryo culture 399
Cercidiphyllum japonicum
ornamental value 2879
UK 2879
Cercis siliquastrum
ornamental value 2879
UK 2879
Cercocarpus traskiae
conservation 1540
endangered species 1540
hybridization 1540
Cercospora *(see also Mycosphaerella)*
Cercospora canescens
Vigna angularis, disease resistance 1306
Vigna radiata, disease resistance 2829
Cercospora sojina, *Glycine max,* disease resistance 2051
Cereals
collecting missions 2551
databases 497
gene banks 497
Italy 2551
UK 497
wide hybridization 2910
Cerotelium fici
Ficus, disease resistance 1339
Ficus auriculata, disease resistance 1339
Cestrum elegans
chromosome banding 2895
cold resistance 2895
Cestrum fasciculatum
chromosome banding 2895
cold resistance 2895
Cestrum parqui, molluscicidal properties 606
Cestrum strigillatum
chromosome banding 2895
cold resistance 2895
Chad
crops 173
forest trees 773
Oryza sativa 173
Pennisetum glaucum 173
Phaseolus vulgaris 173
Sorghum bicolor 173
Vigna 173, 182
Vigna subterranea 173
Vigna unguiculata 173, 182
Zea mays 173
Chaemaedorea
endangered species 1830
socioeconomics 1830
Chaenomeles speciosa
fruits 2087
nutritive value 2087
ornamental value 2087
USA 2087
Chamaecrista macambensis
Cuba 1582
new species 1582
Chamaecrista radinii
new species 1624
South America 1624
Chamaecytisus proliferus
Canary Islands 912
distribution 912
plant introduction 912
Chamaedora, taxonomy, books 2993
Chamomilla recutita, seeds, germination 1119
Changnienia amoena
China 1696
endangered species 1696
medicinal properties 1696
taxonomy 1696
Characterization
Abelmoschus caillei 151
Abelmoschus esculentus 151
Actinidia 12
Ananas lucidus 2096
Arachis hypogaea 2861
Asimina 2097
Asimina triloba 2097

Characterization *cont.*
Brassica 2073
Coleus amboinicus 2899
Cypripedium columbianum 121
Cypripedium montanum 121
Cypripedium parviflorum 121
Epipactis royleana 2456
Eragrostis curvula
isoenzymes 1279
seeds 1279
Ginkgo biloba 2872
Laelia bahiensis 1376
Lobelia organensis 1371
Neoglaziovia variegata 1372
Orchis sancta 2454
Oryza sativa 1970, 2021
Paphiopedilum exul 2881
Physalis ixocarpa 2851
Pseudogynoxys cabrerae 1370
Rhododendron 106
Solanum, restriction fragment length polymorphism 1935
Solanum tuberosum, restriction fragment length polymorphism 1935
Spigelia flava 1367
Sutherlandia frutescens 1665
Sutherlandia microphylla 1665
Sutherlandia montana 1665
Ugni molinae 590
Checklists
Chusquea 904
crops 1987
flora 1057, 2343
forest trees 248, 2390
grasslands 2589
Leguminosae 2347
Miconia 904
Ocotea 904
Orchidaceae 1688
Oreopanax 904
Palicourea 904
quarantine 1449
rain forests 2332
wild plants 135, 2308-2309
Chemotaxonomy
Aegilops bicornis 2327
Aegilops longissima 2327
Aegilops searsii 2327
Aegilops sharonensis 2327
Aegilops speltoides 2327
Allium kurrat 2330
Allium porrum 2330
Allium sativum 2330
Brassica 89, 1592
Brassica cretica 1592
Brassica oleracea 1592
Brugmansia arborea 125
Camellia sinensis 1563
Carthamus 1350
Cassia 40
Cassia siamea 40
Citrus 2385
Citrus aurantium 2385
Coffea homollei 1606
Coffea kianjavatensis 1606
caffeine 2109
Coffea lancifolia 1606
crops 1571
Cupressus bakeri 103
Datura fastuosa 125
Datura metel 125
Datura stramonium 125
Diplotaxis 89
Echinops 2443
Erucastrum 89
Eucalyptus alpina 1608
Eucalyptus arenacea 1608
Eucalyptus baxteri 1608
Ipomoea 2377
Larix sukaczewii 913
Machilus 98
Mascarocoffea 1606
Medicago 2369
Mentha 2476
Nicotiana 2389
Papaver albiflorum 955
Papaver confine 955
Papaver dubium 955
Papaver lecoqii 955
Papaver rhoes 955
Pelargonium cortusifolium 932
Chemotaxonomy *cont.*
Pelargonium crassicaule 932
Pelargonium dichondrifolium 932
Pelargonium echinatum 932
Pelargonium incarnatum 933
Pelargonium odoratissimum 932
Pelargonium patulum 933
Pelargonium reniforme 932
Pelargonium sidoides 932
Pennisetum 830
Pennisetum clandestinum 830
Pennisetum setaceum 830
Pennisetum squamulatum 830
Pennisetum villosum 830
Philodendron 2471
Pinus bungeana 1651
Pinus densiflora 1651
Pinus henryi 1651
Pinus koraiensis 1651
Pinus massoniana 1651
Pinus ponderosa 914
Pinus sylvestris 913
Pinus tabulaeformis 1651
Pinus taiwanensis 1651
Pinus thunbergii 1651
Plantago sempervirens 2475
Populus 2398
Populus acuminata 887
Populus angustifolia 887
Populus deltoides 887
Populus generosa 887
Populus sargentii 887
Populus trichocarpa 887
Prunus cerasifera 866
Prunus cocomilia 866
Prunus domestica 866
Prunus spinosa 866
Prunus triloba 866
Thalictrum minus 2474
Triticum monococcum 2327
Triticum urartu 2327
Vicia 855
Chenopodium
genetic resources 2260
India 2260
***Chenopodium album*, seeds**, germination 1119
Chenopodium berlandieri
cytoplasmic male sterility 2536
gene flow 2357
interspecific hybridization 2357, 2536
introgression 2357
North America 2357
Chenopodium quinoa
cytoplasmic male sterility 2536
gene flow 2357
interspecific hybridization 2357, 2536
introgression 2357
North America 2357
Chile
forests 1079
Fragaria chiloensis 1773
Lobelia bridgesii 928
Lobelia excelsa 928
Lobelia polyphylla 928
Lobelia tupa 928
Peperomia berteroana 818
Peperomia fernandeziana 818
Peperomia margaritifera 818
Peperomia skottsbergii 818
Peumus boldus 1079
plant introduction 1080
Solanum brevidens 1003
Solanum etuberosum 1003
Solanum fernandezianum 1003
Solanum tuberosum 10
Ugni molinae 590
woody plants 1080
Chimonanthus praecox
centres of origin 823
China 823
China
Abutilon theophrasti 1047
Acer pentaphyllum 1978
Achnatherum splendens 1274
Actinidia 83
Actinidia deliciosa 83, 2951
Agropyron cristatum 540, 1416
Agropyron desertorum 540, 1416
Agropyron michnoi 1416
Agropyron mongolicum 540, 1416
China *cont.*
Allium 2837
Allium senescens 2837
Allium tuberosum 2837
Amaranthus caudatus 2031
Amaranthus cruentus 2031
Arachis glabrata 2197
Arachis hypogaea 1041, 2197
Asparagus 2074
Asparagus filicinus 2074
Asparagus officinalis 2074
Asparagus polyphyllus 2074
Astragalus adsurgens 1274, 1743
Bidens szechuanica 823
Boehmeria diffusa 1047
Boehmeria gracilis 1047
Boehmeria grandifolia 1047
Boehmeria hirsutum 1047
Boehmeria nivea 1047, 2679, 2869
Boehmeria platanifolia 1047
Boehmeria spicata 1047
Brachypodium 2033
Brassica 2855
Brassica campestris 1041, 2854
Brassica juncea 1041, 2854
Brassica napus 1041, 2854
Cajanus cajan 1286, 1585
Callianthemum shennongjacum 823
Camellia 105, 2118-2119
Camellia edithae 2117
Camellia japonica 188, 2117
Camellia pitardii 2117
Camellia saluenensis 2117
Camellia sinensis 1563, 2107
Canavalia gladiata 1286
Cannabis sativa 1041, 1047
Carthamus tinctorius 1042
Carya cathayensis 875
Cassia lancangensis 128
Castanea mollissima 1733
Changnienia amoena 1696
Chimonanthus praecox 823
Cocos nucifera 2857
collecting missions 1766
conservation 1516
Corydalis 1683
Corydalis glaucescens 1683
Corydalis ledebouriana 1683
Corydalis shanginii 1683
Crataegus laevigata 2088
crops 823, 1029, 1125, 1385, 1965, 1988
Cucumis sativus 1326, 1330
Dactylis 2033
Davidia involucrata 823
Desmodium griffithianum 2114
Desmodium sequax 2114
Dioscorea alata 1313, 2070
Dioscorea esculenta 1313
Dioscorea fordii 2070
Dioscorea persimilis 2070
Diphasiastrum complanatum 2128
Echinochloa utilis 1274
Elaeagnus angustifolia 1772
Elymus 2033
Elymus dahuricus 1274
Elymus sibiricus 1274
Elymus × *Triticum* 636, 1396
Enkianthus chinensis 104
Entada phaseoloides 1286
Epimedium accuminatum 2114
Eriobotrya japonica 38
Eriobotrya prinoides 38
Fagopyrum 812
Fagopyrum esculentum 1268, 2255
Fagopyrum tataricum 2255
flora, nature reserves 194
forests 1074, 2323
Fortunella polyandra 1343
fruit crops 1596, 1772
genetic resources 790, 1497, 2148
Geranium 1670
Geranium canopurpureum 1670
Geranium duclouxii 1670
Geranium fargesii 1670
Geranium retectum 1670
Ginkgo biloba 1654, 1753
Glycine gracilis 73, 2048
Glycine max 178, 550, 1041, 1286, 1288, 1290, 2823, 2826
Glycine soja 73, 1041, 2048
Glycine viridula 73

China *cont.*
Gossypium hirsutum 1047
grain legumes 765
grasslands 210, 1061, 1066, 2585
Helianthus annuus 1041
Hibiscus mutabilis 1047
Hordeum 2005, 2033
Hordeum brevisubulatum 540, 1274
Hordeum vulgare 455, 2713
Hugeria vaccinioides 104
Ilex lihuaiensis 1662
Ilex serrata 1662
Ilex suaveolens 1658
Ilex suichangensis 1662
international cooperation 1766
Iris 746
Kengyilia 65-66
Lablab purpureus 1286
Lauraceae 93
Leymus 2033
Leymus chinensis 210, 540
Leymus secalinus 540
Linum usitatissimum 1047
Liriope spicata 2114
Lonicera 1601
Lycopodiastrum casuarinoides 2128
Lycopodium centro-chinense 2128
Lycopodium japanicum 2128
Lycopodium obscurum 2128
Magnolia biondii 1365
Malus 1772
Malus zhaojiaoensis 1597
Medicago sativa 1274
Melilotus suaveolens 1274
Morus 2095
Morus atropurpurea 2095
Morus australis 823
Morus mongolica 2095
Mucuna atrocarpa 1285
Mucuna cochinchinensis 1285
Mucuna deeringiana 1285
Mucuna pruriens 1286
Onobrychis viciifolia 1274
Ophiopogon dracaenoides 2114
Ophiopogon latifolius 2114
Ophiopogon pingbienensis 2114
ornamental herbaceous plants 1507
ornamental plants 2427
Oryza meyeriana 2355
Oryza minuta 1262
Oryza officinalis 2355
Oryza rufipogon 2355
Oryza sativa 530, 1261, 1264, 1267, 1412, 2021, 2254, 2355, 2798, 2987
Pachysandra axillaris 1663
Pachysandra terminalis 1663
Palhinhaea cernua 2128
Panax notoginseng 2114
Panicum miliaceum 2019
Perilla 1041
Peucedanum muliense 1700
Phaseolus lunatus 1286
Phaseolus vulgaris 1286, 1292
Phleum 2033
Pinus bungeana 1651
Pinus densiflora 1651
Pinus henryi 1651
Pinus koraiensis 1651
Pinus massoniana 1651
Pinus tabulaeformis 1651
Pinus taiwanensis 1651
Pinus thunbergii 1651
Poa 2033
Polygala bawanglingensis 129
Primula 111
Psathyrostachys 2033
Psophocarpus tetragonolobus 1286
Puccinellia chinampossis 1274
Puccinellia tenuiflora 1274
Pyrus 11, 1772
Pyrus betulifolia 11
Pyrus calleryana 11
Pyrus ussuriensis 11
Raphanus sativus 1561
Rhododendron fortunei 104
Rhododendron maculiferum 104
Rhododendron mariesii 104
Rhododendron molle 104
Rhododendron ovatum 104
Rhododendron simsii 104
Rhus verniciflua 1041

China *cont.*
Ribes uva-crispa 1335
Rosa laevigata 1772
Rosa roxburghii 1772
Rubus 1828
Rubus chingii 2089
Rubus jiangxiensis 1598
Rubus yanshanensis 1598
Saccharum sinense 2388
Selinum longicalycium 1700
Sesamum indicum 1041, 2105, 2863
Shaniodendron subaequale 2430
Solanum tuberosum 1221
Sorghum bicolor 752, 2793
Trichosanthes mianyangensis 1595
Triticum aestivum 627, 634, 1239-1240, 2328, 2785, 2917
Vaccinium hagerupii 1600
vegetables 750
Vicia villosa 1274
Vigna radiata 1286, 1302
Vigna umbellata 1286
Vigna unguiculata 1286
Viola 1668
wild plants 245
woody plants 2992
Xanthium sibiricum 2864
Zea mays 751, 2014
Ziziphus spinosus 1772
Chionachne*, *Zea, genetic distance, isoenzymes 1993
***Chionachne koenigii*,** pollen 1992
Chloramben, *Cucumis sativus*, herbicide resistance 584
Chloranthaceae
taxonomy 2421
wood anatomy 2421
Chloranthus erectus
taxonomy 2421
wood anatomy 2421
Chloranthus japonicus
taxonomy 2421
wood anatomy 2421
Chloranthus multistachys
taxonomy 2421
wood anatomy 2421
Chloranthus serratus
Japan 2421
taxonomy 2421
wood anatomy 2421
Chloris virgata
Botswana 280
seed dormancy 280
Chlorophyll *a*/*b* binding protein
Hordeum spontaneum 2772
Triticum dicoccoides 2772
Chloroplast genetics
Aegilops, evolution 450
Allium, taxonomy 1191
Allium altaicum, taxonomy 1191
Allium ameloprasum, taxonomy 1191
Allium cepa, taxonomy 1191
Allium fistulosum, taxonomy 1191
Allium galanthum, taxonomy 1191
Allium oschaninii, taxonomy 1191
Allium pskemense, taxonomy 1191
Allium roylei, taxonomy 1191
Allium tuberosum, taxonomy 1191
Allium vavilovii, taxonomy 1191
Astragalus, evolution 1929
Brassica, taxonomy 1943
Cryptomeria japonica, evolution 2734
Cucurbita, evolution 470
Dioscorea
evolution 2720
taxonomy 2720
Dipogon, evolution 2716
evolution 1177
grasses, evolution 1927
Helianthus annuus 153
Helianthus petiolaris 153
Hordeum
Hordeum vulgare, taxonomy 1181
taxonomy 454
Hordeum bulbosum, *Hordeum vulgare*, taxonomy 1181
Hordeum marinum, *Hordeum vulgare*, taxonomy 1181
Hordeum murinum, *Hordeum vulgare*, taxonomy 1181
Hordeum spontaneum 456

Chloroplast genetics *cont.*
Ipomoea, taxonomy 1190
Machaeranthera, taxonomy 1206
Macroptilium, evolution 2716
Musa, taxonomy 2725
Nicotiana rustica 2202
Nicotiana tabacum 2202
Oryza
evolution 1926
taxonomy 1926
Oxyrhynchus, evolution 2716
Papaver, taxonomy 1207
Pellaea glabella
evolution 2744
taxonomy 2744
Phaseolus, evolution 2716
Pinus densiflora
evolution 2729
taxonomy 2729
Pinus echinata, taxonomy 1203
Pinus elliottii, taxonomy 1203
Pinus palustris, taxonomy 1203
Pinus sylvestris
evolution 2729
taxonomy 2729
Pinus taeda, taxonomy 1203
Plantago 2740
Ramirezella, evolution 2716
Roemeria, taxonomy 1207
Salix, evolution 140
Sinapis, taxonomy 1943
Solanaceae
evolution 1178
taxonomy 1178
Solanum aethiopicum 2186
Solanum melongena 2186
Solanum papita 1188
Solanum stoloniferum 1188
Solanum tuberosum 1188
Strophostyles, evolution 2716
Taxodium
palaeobotany 2733
ribulose-bisphosphate carboxylase 2733
taxonomy 1177
Triticum aestivum, evolution 450
Vigna, evolution 2716
Vigna unguiculata, domestication 1184
Chloroplasts, *Oryza sativa* 529
Chondrosum
Central America 837
taxonomy 837
Chordospartium muritai
conservation 1536
endangered species 1536
New Zealand 1536
Chordospartium stevensonii
conservation 1536
endangered species 1536
New Zealand 1536
Chromosome aberrations
Aegilops squarrosa 2775
Lactuca sativa, seeds 298
Triticum aestivum 2775
Triticum dicoccum 2775
Triticum durum 2775
Triticum monococcum 2775
Viola adenothrix 2125
Viola arcuata 2125
Chromosome addition
Beta procumbens 2199
Beta vulgaris 2199
Elymus × *Triticum*, barley yellow dwarf luteovirus 625
Gossypium hirsutum 2204
Oryza punctata 2168
Oryza sativa 2168
Triticum aestivum 2920
DNA probes 449
Triticum × *Secale*, *Heterodera avenae* 625
Chromosome banding
Aegilops comosa 1248
Aegilops longissima 1990
Aegilops speltoides 1990
Aegilops × *Triticum* 2157
Camellia edithae 2117
Camellia japonica 2117
Camellia pitardii 2117
Camellia saluenensis 2117
Cestrum elegans 2895

Chromosome banding *cont.*
Cestrum fasciculatum 2895
Cestrum strigillatum 2895
Cicer arietinum 2828
Elymus hispidus 662
Elymus × *Triticum* 662, 1404
Festuca rubra 1277
Festuca × *Vulpia* 1277
Festulpia hubbardii 1277
Hordeum agriocrithon 2000
Hordeum brevisubulatum 524
Hordeum bulbosum 524
Hordeum marinum 524
Hordeum murinum 524
Hordeum spontaneum 2000
Hordeum vulgare 524, 2000
Lactuca saligna 2840
Lactuca sativa 2840
Lactuca serriola 2840
Lactuca virosa 2840
Scilla amoena 2127
Scilla ingridae 2127
Scilla mischtschenkoana 2127
Scilla siberica 2127
Triticum monococcum 1990
Triticum turgidum 1990
Vulpia fasciculata 1277
Chromosome elimination, *Solanum brevidens* 678
Chromosome morphology
Arachis 1352
Bismarckia 2335
Boehmeria nivea 2869
Camellia 2119
Coccinia grandis 1331
Coccothrinax 2335
Coix 1991
Coix aquatica 2030
Coix lacryma-jobi 2030
Daphne arbuscula 2120
Desmodium griffithianum 2114
Desmodium sequax 2114
Epimedium accuminatum 2114
Fragaria daltoniana 1336
Fragaria nubicola 1336
Gibasis consobrina 494
Gibasis karwinskyana 494
Guihaia 2335
Larix sibirica 1363
Larix sukaczewii 1363
Liriope spicata 2114
Livistona 2335
Lonicera 2439
Ophiopogon dracaenoides 2114
Ophiopogon latifolius 2114
Ophiopogon pingbienensis 2114
Ornithogalum thyrsoides 422
Panax notoginseng 2114
Phoenix 2335
Sambucus 2439
Sophora 2405
Sorghum bicolor, Sorghum purpureo-sericeum 460
Sorghum versicolor, Sorghum purpureo-sericeum 460
Styphnolobium 2405
Trichosanthes dioica 1331
Triticum aestivum 2328
Viburnum 2439
Vicia altissima 2043
Vicia benghalensis 2043
Vicia onobrychioides 2043
Vicia villosa 2043
Zea 1991
Zea mays 1991, 2012
Chromosome number
Amaranthus, taxonomy 2356
Amaranthus graecizans, taxonomy 2356
Amaranthus hybridus, taxonomy 2356
Anthericum 1375
Anthericum algeriense 1375
Asphodelus 1375
Asphodelus acaulis 1375
Asphodelus gracilis 1375
Asphodelus roseus 1375
Astragalus alpinus 539
Astragalus laguroides 2359
Astragalus miniatus 2359
Astragalus penduliflorus 539
Camellia 2118-2119
Camellia japonica 2116
Chromosome number *cont.*
Carex bergrothii, taxonomy 1577
Carex flava, taxonomy 1577
Carex jemtlandica, taxonomy 1577
Carex kotilaini, taxonomy 1577
Carex viridula, taxonomy 1577
Coccinia grandis 1331
Crotalaria, evolution 596
Cucumis sativus 37
Daphne arbuscula 2120
Desmodium griffithianum 2114
Desmodium sequax 2114
Dianthus langeanus 2123
Dianthus laricifolius 2123
Dianthus legionensis 2123
Dianthus toletanus 2123
Duabanga 2406
Epimedium accuminatum 2114
evolution 2483
Fimbristylis bisumbellata 1383
Fimbristylis dichotoma 1383
Fimbristylis falcata 1383
Fimbristylis ferruginea 1383
Fimbristylis miliacea 1383
Fimbristylis monostacha 1383
Fimbristylis polytrichoides 1383
Fimbristylis quinquangularis 1383
Fragaria daltoniana 1336
Fragaria nubicola 1336
Genista 921
Glycine 72
Hyacinthella, taxonomy 1685
Jasminium 1726
Liriope spicata 2114
Lobelia bridgesii 928
Lobelia excelsa 928
Lobelia polyphylla 928
Lobelia tupa 928
Lonicera 2439
Medicago lupulina 2359
Onobrychis sibirica 2359
Ophiopogon dracaenoides 2114
Ophiopogon latifolius 2114
Ophiopogon pingbienensis 2114
Oryza schlechteri 1260
Panax notoginseng 2114
Poa supina 539
Psophocarpus grandiflorus 1307
Psophocarpus lancifolius 1307
Psophocarpus lecomtei 1307
Psophocarpus palustris 1307
Sambucus 2439
Sedum ebracteatum, taxonomy 2470
Sedum glabrum, taxonomy 2470
Sedum hemsleyanum, taxonomy 2470
Sedum hintonii, taxonomy 2470
Sonneratia 2406
Ticodendron incognitum 1722
Trichosanthes dioica 1331
Tuberaria commutata 1565
Tuberaria conspicua 1565
Tuberaria guttata 1565
Viburnum 2439
Chromosome pairing
Aegilops × *Triticum* 2157
Agropyron × *Elymus* 661
Agropyron × *Hordeum* 661
Agropyron × *Triticum* 616
Elymus caespitosus 2036
Elymus farctus 2036
Elymus hispidus 2036
Elymus nodosus 2036
Elymus scabrus 2037
Elymus × *Psathyrostachys* 661
Elymus × *Triticum* 2916
Gossypium aridum 2205
Gossypium barbadense 2205
Gossypium gossypioides 2205
Gossypium raimondii 2205
Hordeum × *Secale* 661
Oenothera grandiflora 2124
Pseudoroegneria geniculata 2036
Secale cereale 969
Themeda triandra 2810
Triticum aestivum 969
Chromosome translocation
Aegilops sharonensis 630
Aegilops umbellulata 630
Elymus × *Triticum* 1404
Gossypium anomalum 2204
Gossypium australe 2204
Chromosome translocation *cont.*
Gossypium herbaceum 2204
Gossypium longicalyx 2204
Gossypium stocksii 2204
Gossypium sturtianum 2204
Triticum aestivum 630
Chromosome transmission
Aegilops longissima 642
Elymus farctus 449
Hordeum chilense 449
Hordeum vulgare 449
Leymus multicaulis 449
Secale cereale 449
Chrysanthemum *(see also Dendranthema)*
Chusquea
Brazil 1702
checklists 904
Costa Rica 904
distribution 904
keys 1702
new species 1702
taxonomy 1702
Cicer
biotechnology 2707
compatibility 168
genetic resources 2707
incompatibility 167
India 2707
interspecific hybridization 167-168
taxonomy 854
Cicer arietinum
Bangladesh 9
breeding 2174
catalogues 1298
centres of origin 2490
chromosome banding 2828
collecting missions 179, 1037
collections 1220, 1299, 2047, 2756
compatibility 168
Croatia 2061
cytology 1560
disease resistance 1298
Ascochyta rabiei 1300, 2060
Fusarium oxysporum 1299
evaluation 559-560, 1297-1298, 2046-2047, 2061
evolution 1560, 2059
gene banks 1220, 2646, 2756
genetic resources 9, 721, 755
growth regulators 169
incompatibility 167
India 179, 559, 1299, 1421, 2756
interspecific hybridization 167-168, 671, 1421, 2059
Iran 1299
isoenzymes 558
Italy 560
landraces 1297
Mediterranean countries 755
meiosis 2059
multivariate analysis 2490
pest resistance 1298
pollen germination 169
polyploidy 2058
salt tolerance 546
seed moisture 2646
seed treatment
Alternaria 713
Ascochyta rabiei 713
Aspergillus 713
Fusarium 713
germination 713
Rhizopus 713
storage 259
viability 259
vigour 259, 713
stress 1298
Syria 721, 1298, 1300, 2047, 2060, 2490
taxonomy 1560
tissue culture 2058
Turkey 1297, 2490
West Asia 755
Cicer bijugum
evaluation 559
growth regulators 169
incompatibility 167
India 559
interspecific hybridization 167, 671
pollen germination 169
polyploidy 2058
tissue culture 2058

Cicer cuneatum
evaluation 559
growth regulators 169
India 559
pollen germination 169
Cicer echinospermum
evaluation 559
India 559, 1421
interspecific hybridization 671, 1421
isoenzymes 558
Cicer judaicum
evaluation 559
growth regulators 169
India 559
interspecific hybridization 671
pollen germination 169
polyploidy 2058
tissue culture 2058
Cicer pinnatifidum
evaluation 559
India 559
interspecific hybridization 671
Cicer reticulatum
evaluation 559
evolution 2059
growth regulators 169
incompatibility 167
India 559
interspecific hybridization 167, 671, 2059
isoenzymes 558
meiosis 2059
pollen germination 169
Cicer yamashitae
evaluation 559
India 559
Cichorium
biosafety 1939
France 1939
gene flow 1939
interspecific hybridization 1939
tissue culture, regeneration 1137
Cichorium endivia, interspecific hybridization 1137
Cichorium intybus
biosafety 1939
France 1939
gene flow 1939
interspecific hybridization 1137, 1939
tissue culture, cryopreservation 1136
Cinchona ledgeriana, alkaloids 484
Cinnamomum chemungianum
India 2415
new species 2415
Circadian rhythm
Hordeum spontaneum 2772
Triticum dicoccoides 2772
Cistus albidus, seed treatment, germination 321
Cistus ladanifer, seed treatment, germination 321
Cistus laurifolius, seed treatment, germination 321
Cistus salvifolius, seed treatment, germination 321
Citrullus
Egypt 1488
genetic resources 1488
Citrullus colocynthis
disease resistance
Colletotrichum orbiculare 690
viruses 582
genetics, *Colletotrichum orbiculare* 690
interspecific hybridization 690
tissue culture, regeneration 368
Citrullus lanatus
disease resistance
Colletotrichum orbiculare 690
Fusarium oxysporum 581
viruses 582
genetics
cold resistance 1322
Colletotrichum orbiculare 690
isoenzymes 1321
interspecific hybridization 690
landraces 581, 1321
seeds
germination 1109, 2648
storage 1109, 2648
Zimbabwe 1321-1322
Citrus
chemotaxonomy 2385
Citrus *cont.*
multivariate analysis 2385
Citrus aurantium
chemotaxonomy 2385
multivariate analysis 2385
Citrus junos, tissue culture, regeneration 376
Citrus paradisi, interspecific hybridization 1438
Citrus reticulata, interspecific hybridization 1438
Citrus tachibana
interspecific hybridization 1438
pollen
germination 1438
storage 1438
Citrus wanshanensis
new species 1570
Taiwan 1570
Citrus (×) ***Murraya,*** protoplast fusion 1439
Cladosporium (*see also Cercospora; Venturia*)
Clarkia concinna
evolution 163
outcrossing 163
USA 163
Classification (*see also* Characterization; Taxonomy; Variety classification)
Clavibacter michiganensis
Lycopersicon esculentum, disease resistance 1317
Lycopersicon hirsutum, disease resistance 1317
Lycopersicon peruvianum, disease resistance 1317
Lycopersicon pimpinellifolium, disease resistance 1317
Solanum, disease resistance 1309
Solanum tuberosum, disease resistance 1422
Claviceps sorghi, *Sorghum bicolor,* disease resistance 1257
Clavija
Latin America 908
taxonomy 908
Cleistes bifaria
taxonomy 116
USA 116
Cleistes divaricata
taxonomy 116
USA 116
Cleistogamy
Atylosia × *Cajanus* 672
Lespedeza capitata 1002
Lespedeza leptostachya 1002
Cleome droserifolia
Israel 256
medicinal properties 256
Cleome gynandra
cultural methods 244
ethnobotany 244
evaluation 2075
Kenya 2075
landraces 2075
tropics 244
Clerodendrum
India 923
numerical taxonomy 923
Clethra alnifolia
collections 599
ornamental value 599
USA 599
Clianthus formosus, pollen, storage 419
Climatic change
genetic resources 1502
tropical forests 772
Clines, *Abies alba* 1006
Clomazone, *Cucumis sativus,* herbicide resistance 586
Clonal variation (*see also* Somaclonal variation)
Clones, *Eucalyptus tereticornis,* sustainability 2960
Clowesia, tissue culture, regeneration 426
Coccinia grandis
chromosome morphology 1331
chromosome number 1331
sex 1331
Coccoloba
Central America 1627
Latin America 1627
South America 1627
Coccoloba *cont.*
taxonomy 1627
Coccoloba bullata
Brazil 1627
Latin America 1627
new species 1627
Coccoloba cholutecensis
Honduras 1627
Latin America 1627
new species 1627
Coccoloba gentryi
Latin America 1627
new species 1627
Panama 1627
Coccoloba johnstonii
Latin America 1627
new species 1627
Panama 1627
Coccoloba ortizii
Latin America 1627
Mexico 1627
new species 1627
Coccoloba yaracuyensis
Latin America 1627
new species 1627
Venezuela 1627
Coccothrinax
chromosome morphology 2335
cytotaxonomy 2335
evolution 2335
Cochliobolus sativus
Triticum aestivum
disease resistance 509, 516, 1239
seed treatment 1460
Cochlospermum angolense, antiprotozoal agents 1378
Cocos nucifera
China 2857
collecting missions 2565
conservation, books 2244
embryo culture, storage 1882
evaluation 2857
evolution 2492
fruits 2492
gene banks 1224
Indonesia 1224, 2565
Malaysia 1224
Mexico 2492
morphology 592
Philippines 1224
plant introduction 2492
Thailand 1224
utilization, books 2244
Coffea
Côte d'Ivoire 2264
genetic resources 2264
tissue culture, storage 1152
Coffea arabica
caffeine 1356
Ethiopia 2289
genetic erosion 2289
pest resistance, *Perileucoptera coffeella* 2108
tissue culture, storage 1152
Coffea bengalensis, caffeine 1356
Coffea brevipes, pest resistance, *Perileucoptera coffeella* 2108
Coffea canephora
caffeine 1356
pest resistance, *Perileucoptera coffeella* 2108
Coffea congensis, pest resistance, *Perileucoptera coffeella* 2108
Coffea dewevrei
caffeine 1356
pest resistance, *Perileucoptera coffeella* 2108
Coffea eugenioides
caffeine 1356
pest resistance, *Perileucoptera coffeella* 2108
Coffea homollei
chemotaxonomy 1606
Madagascar 1606
Coffea kapakata, pest resistance, *Perileucoptera coffeella* 2108
Coffea kianjavatensis
chemotaxonomy 1606
caffeine 2109
Madagascar 1606, 2109

Coffea lancifolia
chemotaxonomy 1606
Madagascar 1606
Coffea liberica
pest resistance, *Perileucoptera coffeella* 2108
plant embryos, cryopreservation 1096
seeds, cryopreservation 1096
Coffea racemosa, pest resistance, *Perileucoptera coffeella* 2108
Coffea salvatrix
caffeine 1356
pest resistance, *Perileucoptera coffeella* 2108
Coffea stenophylla
caffeine 1356
pest resistance, *Perileucoptera coffeella* 2108
Coix
chromosome morphology 1991
India 1991
pollen 1992
Zea, genetic distance, isoenzymes 1993
Coix aquatica
chromosome morphology 2030
India 2030
Coix lacryma-jobi
chromosome morphology 2030
India 2030
Cold resistance
Aegilops × *Triticum*, genetics 2918
Cajanus cajan 561
Cestrum elegans 2895
Cestrum fasciculatum 2895
Cestrum strigillatum 2895
Citrullus lanatus, genetics 1322
Hibiscus cannabinus 597
Hibiscus sabdariffa 597
Hordeum vulgare 525, 1250
Lycopersicon esculentum 1318, 2940
Lycopersicon hirsutum 1318
Lycopersicon peruvianum 2940
Medicago borealis 664
Medicago sativa, tissue culture 336
Oryza sativa 530-531, 1264-1265
Rubus caesius 1334
Rubus idaeus 2090
Trifolium pratense, tissue culture 336
Triticum, genetics 2918
Coleus amboinicus
characterization 2899
medicinal properties 2899
Coleus forskohlii
Brazil 253
medicinal properties 253
Collecting missions
Abelmoschus esculentus 1038
Abutilon theophrasti 1047
Aegilops 1032
Aegilops ventricosa 2553
Africa 1025
Agropyron 1032
Alstroemeria 1447
Arachis hypogaea 1030-1031, 2550
Asia 1025
Avena 1767, 2554
Boehmeria diffusa 1047
Boehmeria gracilis 1047
Boehmeria grandifolia 1047
Boehmeria hirsutum 1047
Boehmeria nivea 1047
Boehmeria platanifolia 1047
Boehmeria spicata 1047
Bolivia 1028
Brassica 174
Brassica rupestris 184
Cajanus cajan 179, 1030-1031
Camellia japonica 188
Camellia sinensis 1046
Cannabis sativa 1047
Carthamus tinctorius 1042
catalogues 1025
cereals 2551
China 1766
Cicer arietinum 179, 1037
Cocos nucifera 2565
Corchorus 2566
crops 173, 823, 1026, 1029, 2549
Crotalaria juncea 2566
Cymbopogon martinii 608
Dactylis 174
Collecting missions *cont.*
Dasypyrum villosum 1032
Desmodium 2559
Dioscorea 2563
Elaeis guineensis 1043
Eleusine coracana 1033, 2552
Eleusine indica 1030
endangered species 1027
Eragrostis tef 2552
Erianthus 1045, 1774
Erianthus fulvus 1774
Erianthus longisetosus 1774
Fagopyrum 812
flora 775
fodder plants 177, 1034, 2557
forests 1070
Fragaria 2191
Fragaria chiloensis 1773
Fragaria vesca 1039
Fragaria virginiana 1039
fruit crops 175
Glycine max 178
Gossypium hirsutum 1047
grain legumes 1037, 2551
grasses 1035
Hedysarum 177
Helianthus annuus 187
Helianthus niveus 187
Helianthus petiolaris 187
Helianthus similis 187
Hibiscus 2566
Hibiscus mutabilis 1047
history 1028
Hordeum 1032
Hygroryza 1768
Imperata cylindrica 1774
Ipomoea 2562
Jessenia bataua 1044
Latin America 1025
Leersia 1768
Linum usitatissimum 1047
Lolium 174
Lupinus 2558
Lupinus albus 1036
Lupinus angustifolius 2558
Lupinus atlanticus 2558
Lupinus cosentinii 2558
Lupinus luteus 1036
Medicago 1282
Medicago sativa 177
Miscanthus 1045
Musa 185-186, 1040
Musa acuminata 185
Musa balbisiana 185
Musa schizocarpa 185
Oenocarpus bacaba 1044
Oenocarpus distichus 1044
Oenocarpus minor 1044
ornamental woody plants 1050
Oryza barthii 1769
Oryza brachyacantha 1769
Oryza glaberrima 1769
Oryza granulata 1768
Oryza longistaminata 1769
Oryza meyeriana 1768
Oryza officinalis 1768
Oryza punctata 1769
Oryza ridleyi 1768
Oryza rufipogon 1768
Oryza sativa 173, 1217, 1768-1769, 2555-2556
Palmae 1048
Pennisetum 2550
Pennisetum glaucum 173, 2550, 2552
Pennisetum polystachion 1030
Pennisetum purpureum 1030
Peru 1028
Phaseolus 174
Phaseolus vulgaris 173
Pisum sativum 174, 1030
Pueraria 2559
Rhynchosia bracteata 179
Saccharum 1045
Saccharum robustum 1045
Saccharum spontaneum 1045, 1774
seeds 1049
Setaria italica 2552
Solanum, tuberous species 183
Solanum melongena 1038
Sorghum 2550
Sorghum bicolor 173, 1030, 2550, 2552
Collecting missions *cont.*
Sorghum halepense 1030
succulent plants 189
Theobroma cacao 14
Trifolium pratense 177
Trifolium repens 177
Triticum aestivum 176
Triticum durum 176
vegetables 175, 1771, 2551, 2560-2561
Vigna 173, 180, 182, 1770, 2550
Vigna subterranea 173, 2550
Vigna unguiculata 173, 180-182, 1030-1031
wild plants 1051, 1775, 2567
Zea mays 173-174
Collections 496
(*see also* Botanical gardens; Gene banks)
Abelmoschus esculentus 1962
Abelmoschus manihot 749
Acer pentaphyllum 1978
algae 1227
Arabidopsis thaliana, mutations 2749
Arachis hypogaea 2756
Avena sativa 2008
Avena sterilis 1918
Azolla 1227
Begonia 2690
Boehmeria nivea 2679
Brassica campestris 2386
Brassica juncea 2386
Brassica napus 2386
Brassica nigra 2386
Cajanus cajan 2756
Cannabis 1225
Cicer arietinum 1220, 1299, 2047, 2756
Clethra alnifolia 599
Colocasia esculenta 749
crops 749, 1967, 2139
utilization 2755
Cucumis, databases 1329
Cucumis sativus 1012
Dioscorea 749
endangered species 26
evaluation 495
germplasm 1232
Glycine 1962
grain legumes 768, 1287
green manures 1227
Hordeum 2001
Hordeum vulgare 1251, 1962, 2001
Ipomoea batatas 749
Jasminum grandiflorum 708
Leguminosae 1227
seeds 1101
Lens culinaris 2047
Lonicera 1340
Manihot esculenta 749, 769
Metroxylon sagu 749
Musa 13, 612, 730, 749, 1342
Odontoglossum edwardii 1537
Odontoglossum uro-skinneri 1537
ornamental ferns 2769
Oryza 1975
Oryza alta 1975
Oryza granulata 1975
Oryza ridleyi 1975
Oryza rufipogon 1975
Oryza sativa 1974
Pennisetum glaucum 2756
Phaseolus vulgaris, bean common mosaic potyvirus 2214
Plantago 13
population genetics 145
Prunus 2763
Prunus cerasus 2848
Prunus dulcis 2763
Ribes spicatum 2762
Saccharum 749
Solanum, in vitro culture 1134
Solanum tuberosum, in vitro culture 1134
Sorghum bicolor 2756
Theobroma cacao 749
Trifolium pratense 2816
triticale 1255, 2009
Triticeae 7
Triticum aestivum 1395, 1962, 1996
Triticum durum 1241, 1243, 1997
utilization 495
Vicia faba 1287, 2047
Colletotrichum lindemuthianum, *Phaseolus vulgaris*, disease resistance 1292

Colletotrichum orbiculare
Citrullus colocynthis
disease resistance 690
genetics 690
Citrullus lanatus
disease resistance 690
genetics 690
Colliguaja integerrima
Argentina 2112
evaluation
oils 2112
seeds 2112
seeds
dormancy 2112
germination 2112
storage 2112
Colocasia
Australia 2484
domestication 2484
New Guinea 2484
Pacific Islands 2484
subsistence farming 2484
Colocasia esculenta
collections 749
evaluation 2071
genetic variation, isoenzymes 2834
India 2834
Indonesia 2834
Japan 2071, 2834
Papua New Guinea 749
Polynesia 2834
tissue culture, storage 1874
Colombia
Ardisia callejasii 1646
Arthrostylidium ecuadorense 2368
Arthrostylidium youngianum 2368
CIAT, reports 2221
Cryosophila macrocarpa 96
Digitaria dioica 1010
Exarata chocoensis 907
genetic resources 803
Hedyosmum narinoense 2414
Licania jaramilloi 882
Macleania rupestris 2850
Manihot esculenta 1936, 2935
Oenocarpus bacaba 1616
Oenocarpus circumtextus 1616
Oenocarpus makeru 1616
Oenocarpus minor 1616
Oenocarpus simplex 1616
Paspalum tillettii 843
Passiflora escobariana 874
Phaseolus coccineus 1296
Phaseolus polyanthus 1296
Stephanopodium gentryi 1637
Colophospermum mopane
seeds
drought resistance 2871
germination 2871
heat resistance 2871
Zimbabwe 2871
Colour, *Filipendula auriculata* 2449
Colutea atlantica, seeds, cryopreservation 1094
Combining ability
Lupinus albus, yield components 667
Triticum, yield components 1405
Triticum durum, yield components 1405
Zea mays 654
Combretum apiculatum
seeds
drought resistance 2871
germination 2871
heat resistance 2871, 2873
Zimbabwe 2871, 2873
Commiphora guidottii
Somalia 1614
taxonomy 1614
Compatibility
Cicer 168
Cicer arietinum 168
Cyphomandra 1764
Cyphomandra betacea 1764
Cyphomandropsis 1764
Solanum 1015
Solanum muricatum 1015
Computer software, gene banks 2748
Cones, *Sciadopityostrobus kerae,* palaeobotany 968
Conferences
Agriculture and the management of renewable natural resources 1384, 1480
Association pour l'Étude Taxonomique de la Flore d'Afrique Tropicale 869, 1013-1014, 1025, 1053-1054, 1067-1072, 1082, 1479, 2264-2265, 2289, 2302, 2352, 2422, 2432, 2443-2445, 2467-2469, 2473, 2625, 2961
Biological control quarantine 1481
Buckwheat genetic resources in East Asia 2255-2259, 2283, 2799-2800, 2974
Conservation and environment in Papua New Guinea: establishing research priorities 2970
Conservation for development of tropical rain forest in Kalimantan. 732
Conservation of West and Central African rainforests 2978
Cowpea genetic resources 173, 180-182, 563-566, 674, 728
Crop networks -new concepts for genetic resources management 1502, 1524-1525, 1549, 1776, 1959-1960, 1962, 1968, 2001, 2134-2137, 2139-2141, 2145-2147, 2224
cryopreservation 725
Environmental assessment and management. Social forestry in tribal regions 731
Future food security and plant genetic resources 2973
Genetics and breeding on capsicum and eggplant 2843, 2945-2946
in vitro culture 725
International Workshop on Diagnostic Services for Agriculture and the Environment 2972
Legume genetic resources for semiarid temperate environments 755-768, 791, 1037, 1101, 1232, 1270-1273, 1287, 1483, 2046-2047, 2169-2170, 2174
Musa conservation and documentation 84-86, 185-186, 329, 501, 589, 612-613, 715, 730
Plant biotechnology and its contribution to plant development, multiplication and improvement 326-328, 331-332, 373, 387, 393-394, 405, 407, 409, 413, 431-432, 463, 479, 679
Plant introductions in cultivar development 2175-2176, 2187, 2193, 2195, 2198, 2200, 2225
Plant life in southwest Asia 63-64, 70, 237, 724
Population genetics of forest trees 2493, 2525-2528, 2975
Regional consultation on banana and plantain R D networking 729
Rice germplasm. Collecting, preservation, use 1729, 1742, 1768-1769, 1778, 1925, 1965-1967, 1970-1975, 2027-2029, 2142-2144, 2166, 2226, 2555-2556, 2633, 2906
Selection and improvement of horticultural plants 1745, 1757, 2054-2055, 2072-2073
Sustainable harvest and marketing of rain forest products 2607-2609, 2615-2616, 2977
The impact of biotechnology in agriculture 725
The rainforest harvest. Sustainable strategies for saving the tropical forests 2227
The strawberry into the 21st century 1761, 1773, 1976, 2092-2094, 2191-2192
Triticeae, gene mapping 1482
Vegetation management in forestry, amenity and conservation areas 2971
Wheat for the nontraditional warm areas 507-509, 626-628, 726
Wheat Genetics Symposium of Japan 727
World forests for the future: their use and conservation 2976
Coniella diplodiella
Vitis, disease resistance 1338
Vitis vinifera, disease resistance 1338
Coniothyrium fuckelii
Rosa alba, quarantine 2215
Rosa rugosa, quarantine 2215
Conophytum, taxonomy 2468
Conservation 784, 786, 1511-1512, 1515, 1524-1525
(*see also* Nature conservation)
Abies, grafting 2303
Acer pseudoplatanus 2304
agricultural policy 1545-1546
Asia 2270
biodiversity 1510
biotechnology 2276
Boehmeria nivea 2679
books 2229-2231, 2233, 2981-2982
botanical gardens, books 1487
Brachyglottis compacta 538
breeders' rights 2314
Cameroon 2267
Canada 777
Cercocarpus traskiae 1540
China 1516
Chordospartium muritai 1536
Chordospartium stevensonii 1536
Cocos nucifera, books 2244
Costa Rica 2273
crops 2282
Developing Countries 2316
Dioscorea, in vitro culture 1873
diversity, books 2236
Ebenus armitagei 148
economics 19, 776, 789, 1528, 2272, 2311
books 1484
endangered species 808, 1526-1528, 1734, 2234, 2277
Europe 2275
Fagopyrum esculentum 2283
Fagus, grafting 2303
farming systems 1513
finance 2316
flora 1508, 2266
policy 1543
fodder legumes 791
fodder plants, *in vitro* culture 2667
forest trees 792, 1530, 1749, 2292
forests 793-794, 797, 810, 1535, 2271, 2281, 2296-2299, 2301, 2529, 2572, 2976
books 2990
planning 2322
policy 811
fruit crops, *in vitro* culture 1877
genetic diversity 1514, 1728
genetic resources 1, 18, 143, 783, 788, 790, 805, 1496, 1517, 1521, 2274
books 2232
grain legumes 791
grasslands 1811, 2285-2286, 2571
books 2988
Helianthus exilis 1540
Helianthus paradoxus 1540
in vitro culture 1120
India 1529, 2268
indigenous knowledge 1529
information retrieval 1092
Latin America 2311
legislation 808
Melocactus conoideus 800
multivariate analysis 2277
Musa 612, 730
networks 2904
New Zealand 2277
Oceania 2270
Odontoglossum edwardii 1537
Odontoglossum uro-skinneri 1537
Orchidaceae 25, 1538
endangered species 1539
ornamental ferns 2769
Palmae, books 1494
Papua New Guinea 2970
Phoenix reclinata 1085
Picea, grafting 2303
policy 808, 1551, 1558, 2272, 2316
population genetics 785, 2508
books 2983
Prunus persica 2288
Pteridophyta 2306

Pteridophyta *cont.*
spores 2307
rain forests 795, 1534, 2978
resource management 1509, 2971
Schmardaea microphylla 900
socioeconomics 1819
Solanum tuberosum
in vitro culture 1870
tissue culture 1871
subtropical fruits 20
succulent plants 1811
sustainability 2278-2279
Taxus baccata 2305
temperate fruits 2287
Triticeae 7
Triticum polonicum 1531
tropical forests 796, 798-799, 2290-2291, 2293-2295, 2300
books 1491
tropical fruits 20
UK 777
USA 777, 781, 1527-1528
vegetables 1771
West Africa 776
wild plants 960, 1541-1542, 2308-2309
woodlands 2596
Conyza canadensis
herbicide resistance
germination 2132
seeds 2132
Coptis teeta, tissue culture, regeneration 435
Corchorus
collecting missions 2566
India 2566
Corchorus macropterus
Australia 880
new species 880
wild relatives 880
Cordiglottis filiformis
Asia 118
taxonomy 118
Cornus stolonifera
Canada 2658
seed treatment 2658
seeds
germination 2658
storage 2658
Coronilla emerus
DNA probes 493
gene flow 493
Coronopus navasii
endangered species 421
tissue culture, storage 421
Corozo *(see Elaeis)*
Corticium *(see also Thanatephorus)*
Corydalis
China 1683
distribution 1683
medicinal properties 1683
Corydalis glaucescens
China 1683
distribution 1683
medicinal properties 1683
Corydalis henrikii
new species 930
Turkey 930
Corydalis ledebouriana
China 1683
distribution 1683
medicinal properties 1683
Corydalis ruksanii
new species 930
Tajikistan 930
Corydalis shangii
Kazakhstan 930
new species 930
Corydalis shanginii
China 1683
distribution 1683
medicinal properties 1683
Corydalis zetterlundi
new species 930
Yugoslavia 930
Corylus avellana, micropropagation 2674
Corylus cornuta
Canada 2947
utilization 2947
Corymbium
South Africa 2444
taxonomy 2444
Corymbium elsiae
new species 2444
South Africa 2444
Costa Rica
Chusquea 904
conservation 2273
Eurystyles cornu-bovis 1691
Festuca herrerae 831
Festuca talamancensis 831
forest trees 1567
forests 1076
Hyperbaena eladioana 2409
Marlierea mesoamericana 2410
Miconia 904
Miconia friedmaniorum 2411
national parks 2273
Nyssa 2339
Ocotea 904
Ocotea pharomachrosorum 2412
Oreopanax 904
Palicourea 904
wild plants 1567
Costus speciosus
India 2440
ornamental value 2440
taxonomy 2440
Côte d'Ivoire
Coffea 2264
Dioscorea 2563
Couepia morii
Brazil 882
new species 882
Couepia rankinae
Latin America 1639
new species 1639
Coumaric acids, *Rumex acetosella* 1011
Crambe
pollen, taxonomy 877
taxonomy 878-879
Crassula aurus
distribution 2463
Namibia 2463
taxonomy 2463
Crataegus laevigata
China 2088
descriptors 2088
evaluation 2088
Crataegus ruscinonensis
Greece 865
new taxa 865
Crinum, taxonomy 2453
Crinum macowanii
Southern Africa 2689
tissue culture, regeneration 2689
Croatia
Cicer arietinum 2061
forests 1075, 2578
grasslands 2578
Crops
Africa 1026
aluminium 2771
Australia 1986, 2484
biosafety, herbicide resistance 2708
botanical gardens 1233, 2745
centres of diversity, books 2241
centres of origin 1026
books 2241
Chad 173
checklists 1987
chemotaxonomy 1571
China 823, 1029, 1125, 1385, 1965, 1988
collecting missions 173, 823, 1026, 1029, 2549
collections 749, 1967, 2139
conservation 2282
Cuba 1820-1824, 1987
databases 1965, 1987
networks 1968
Denmark 1963
disease resistance 2282, 2754
diversity, subsistence farming 1825
domestication 1820, 2484
books 1486
ethnobotany 1820-1823
evaluation 1233
evolution, reviews 2325
Finland 1963
gene banks 1213-1214, 1963, 1966, 2745, 2754
databases 1229
genetic erosion 989-990
Crops *cont.*
genetic resources 5, 2251
sustainability 1504
genetic transformation, biosafety 1909
genetic variation, isoenzymes 990
genetics
disease resistance 2909
pest resistance 2909
Georgia 2549
germplasm, databases 1385
Iceland 1963
in vitro culture, cryopreservation 1125
India 2251
Lesotho 173
Malaysia 1026, 1213
Mediterranean countries 1026
monoculture 989
nectar 1988
networks 2139-2140
New Guinea 2484
North Africa 1504
Norway 1963
Oceania 990
Pacific Islands 2484
Papua New Guinea 749
Peru 1825
pest resistance 2282
insects 1989
plant introduction 1820-1823, 1964, 1986
books 2986
Poland 2139
Russia 1233
seed moisture 1095, 1845
seed testing 1095
seeds
lipids 263
storage 263, 1845
vigour 263
viruses 1459
Siberia 1214
socioeconomics 1824
soil pH 2771
Somalia 173
subsistence farming 1824, 2484
surveys 823
sustainability 2251
Swaziland 173
Sweden 1963
Tanzania 173
taxonomy, reviews 2325
toxic substances 2771
Ukraine 2745
USA 1964
utilization, collections 2755
West Asia 1504
Zimbabwe 173
Crotalaria
chromosome number, evolution 596
polyploidy, evolution 596
Crotalaria juncea
collecting missions 2566
India 2566
Crotalaria saltiana
pollen
storage 388
viability 388
Croton megalobotrys
Botswana 257
medicinal properties 257
Cruddasia craibii
new species 1586
Thailand 1586
Cruddasia laotica
Indochina 1586
taxonomy 1586
Thailand 1586
Cruddasia pinnata
Indochina 1586
taxonomy 1586
Thailand 1586
Cryopreservation
Aesculus, embryo culture 2682
Apium graveolens, seeds 1094
Asparagus officinalis, tissue culture 363, 1875
Avena sativa, seeds 1094
Betula celtiberica, seeds 1094
Brassica napus, pollen 384, 1148
Camellia sinensis
recalcitrant seeds 1125
seeds 316

Cryopreservation *cont.*
Castanea, embryo culture 2682
Catharanthus roseus, protoplasts 1173-1174
Cichorium intybus, tissue culture 1136
Coffea liberica
plant embryos 1096
seeds 1096
Colutea atlantica, seeds 1094
conferences 725
crops, *in vitro* culture 1125
Dactylis glomerata, pollen 1129
Datura ferox, seeds 1094
Datura stramonium, seeds 1094
Dendranthema morifolium, tissue culture 1894
Dianthus hybridus, tissue culture 1894
Digitalis lanata
cell culture 1171
protoplasts 1897
Dimocarpus longan, recalcitrant seeds 306
Dioscorea deltoides, cell culture 1900
Elaeis guineensis, tissue culture 1881
Fragaria ananassa, in vitro culture 1121
fruit crops, *in vitro* culture 1877
Halimium atriplicifolium, seeds 1094
Hordeum vulgare, cell culture 333
in vitro culture 1121, 1124, 2665
Lactuca sativa, seeds 1094
Landolphia kirkii, recalcitrant seeds 1855
Larix eurolepis, tissue culture 2683
Lavandula stoechas, seeds 1094
Litchi chinensis, recalcitrant seeds 306
Malus paradisiaca, tissue culture 1141
Malus pumila, tissue culture 1141
Mangifera indica, recalcitrant seeds 306
Manihot esculenta, in vitro culture 1120
Morus bombycis, tissue culture 1141
Musa acuminata, plant embryos 1144
Musa balbisiana, plant embryos 1144
Onobrychis eriophora, seeds 1094
Onobrychis pedunculatis, seeds 1094
Onopordum nervosum, seeds 1094
Oryza sativa, seeds 1094
Papaver somniferum, cell culture 2692
Picea mariana, tissue culture 2683
Poncirus trifoliata, embryo culture 377
Pyrus communis, tissue culture 1141
Pyrus pyrifolia, tissue culture 1141
Quercus, embryo culture 2682
Rosa, pollen 2688
Saccharum officinarum, tissue culture 2678
Spartium junceum, seeds 1094
temperate fruits, shoots 2672
Triticum aestivum
embryo culture 1127
plant embryos 1126
Undaria pinnatifida
cell culture 2701
in vitro culture 1902
Vigna unguiculata
plant embryos 1096
seeds 1096
Vitis vinifera, pollen 374
Zea mays, pollen 2666
Cryosophila macrocarpa
Colombia 96
new species 96
Cryptochloa soderstromii
Central America 837
new species 837
Cryptomeria japonica, chloroplast genetics, evolution 2734
Cuba
Arachis hypogaea 2861-2862
Artemisia absynthium 604
Chamaecrista macambensis 1582
crops 1820-1824, 1987
ethnobotany 1816
genetic resources 2, 1503
grasslands 1801
Leptocereus santamarinae 1620
Phaseolus lunatus 2329
Triticum polonicum 1531
Vigna 2376
Vigna unguiculata 2376
Cucumber mosaic cucumovirus
Cucumis sativus
disease resistance 583

Cucumber mosaic cucumovirus *cont.*
Cucumis sativus cont.
genetics 583
Lycopersicon esculentum, disease resistance 1317
Lycopersicon hirsutum, disease resistance 1317
Lycopersicon peruvianum, disease resistance 1317
Lycopersicon pimpinellifolium, disease resistance 1317
Musa, in vitro culture 715
Cucumis
Africa 978
collections, databases 1329
cytology 1718
disease resistance, *Pseudoperonospora cubensis* 1332
evolution 978, 1718
genetic variation, isoenzymes 2504
India 2504
molecular genetics, taxonomy 2723
morphology, databases 1329
Netherlands 2504
South Africa 2504
taxonomy, databases 864
Cucumis aculeatus
Africa 863
taxonomy 863
Cucumis africanus, disease resistance, *Pseudoperonospora cubensis* 1332
Cucumis anguria
Africa 863
genetic transformation 1196
taxonomy 863
Cucumis diniae
new species 1594
polyploidy 1594
Cucumis dipsaceus
Africa 863
taxonomy 863
Cucumis ficifolius
Africa 863
disease resistance, *Pseudoperonospora cubensis* 1332
taxonomy 863
Cucumis figarei
disease resistance, *Pseudoperonospora cubensis* 1332
interspecific hybridization 688-689
Cucumis leptodermis, disease resistance, *Pseudoperonospora cubensis* 1332
Cucumis meeusii
disease resistance, *Pseudoperonospora cubensis* 1332
interspecific hybridization 689
Cucumis melo
Asia 2605
disease resistance
Acremonium 577
beet pseudo-yellows virus 687
lettuce infectious yellows virus 578
viruses 579-580
evolution 2504
genetic erosion 2605
genetics, beet pseudo-yellows virus 687
India 1320, 2378
interspecific hybridization 688-689
landraces 577
Middle East 2605
pest resistance
Aulacophora foveicollis 576
Bemisia tabaci 1320, 2845
Myzus persicae 576
seeds, germination 301
Spain 577, 687
taxonomy 76, 2378
tissue culture, regeneration 367
USA 1320
utilization 2605
Cucumis metuliferus
disease resistance, *Pseudoperonospora cubensis* 1332
pest resistance, *Meloidogyne* 585, 1328
Cucumis myriocarpus
Africa 863
disease resistance, *Pseudoperonospora cubensis* 1332
interspecific hybridization 689
taxonomy 863
tissue culture 370

Cucumis prophetarum
Africa 863
disease resistance, lettuce infectious yellows virus 578
numerical taxonomy 1594
polyploidy 1594
taxonomy 863
Cucumis sagittatus, disease resistance, *Pseudoperonospora cubensis* 1332
Cucumis sativus
Africa 863
breeding 1437
China 1326, 1330
chromosome number 37
collections 1012
disease resistance
cucumber mosaic cucumovirus 583
Rhizoctonia solani 1327
domestication 37, 1326
drought resistance 1325
evaluation 1437
genetic variation
isoenzymes 1012, 1324
multivariate analysis 1324
genetics, cucumber mosaic cucumovirus 583
herbicide resistance
chloramben 584
clomazone 586
India 37, 583
landraces 583
morphology 1326
pest resistance
Diaphania hyalinata 576
Diaphania nitidalis 576
Meloidogyne 585, 1328
pollination 1012
seeds
dormancy 303
germination 302-303
storage 302
taxonomy 77, 863
tissue culture, regeneration 302, 369
USA 584, 1325, 1327
variety classification 1330
wide hybridization 77
Cucumis zeyheri
Africa 863
interspecific hybridization 689
numerical taxonomy 1594
polyploidy 1594
taxonomy 863
Cucurbita, chloroplast genetics, evolution 470
Cucurbita ecuadorensis
disease resistance, viruses 691
interspecific hybridization 691
pest resistance, *Bemisia tabaci* 2845
Cucurbita lundelliana, pest resistance, *Bemisia tabaci* 2845
Cucurbita maxima
disease resistance, viruses 691
interspecific hybridization 691
Cucurbita moschata
disease resistance, *Sphaerotheca fuliginea* 1323
India 1323
Cucurbita pepo, evaluation 2085
Cucurbitaceae
distribution 1593
Taiwan 1593
taxonomy 1593
Cultural methods, *Cleome gynandra* 244
Cunoniaceae, taxonomy 100
Cupressus bakeri
chemotaxonomy 103
USA 103
Cupressus lusitanica
Mexico 1655
taxonomy 1655
Cupressus sempervirens, micropropagation 409
Curvularia *(see also Cochliobolus)*
Cutting
Elymus lanceolatus 2808
grasslands, plant communities 2585
Cyanella
pollen 2452
taxonomy 2452
Cyathea intermedia
New Caledonia 1703

Cyathea intermedia *cont.*
taxonomy 1703
Cyathea novae-caledoniae
New Caledonia 1703
taxonomy 1703
Cyathea schanschin, *in vitro* culture, regeneration 433
Cybianthus
South America 1613
taxonomy 1613
Cybistax
distribution 903
keys 903
taxonomy 903
Cycas arenicola
Australia 2426
new species 2426
Cycas thouarsii, pollen, storage 2685
Cyclamen hederifolium
interspecific hybridization 1448
ovule culture 1448
Cyclamen persicum
interspecific hybridization 1448
ovule culture 1448
Cycnoches, tissue culture, regeneration 426
Cydonia *(see also Chaenomeles)*
Cylas formicarius, *Ipomoea batatas,* quarantine 2968
Cymbidium forrestii, tissue culture, regeneration 427
Cymbidium goeringii, tissue culture, regeneration 1167
Cymbopogon citratus
ethnobotany 251
Guatemala 251
Cymbopogon jwarancusa
biotechnology 2707
genetic resources 2707
India 2707
Cymbopogon martinii
collecting missions 608
essential oils 608
India 608
wide hybridization 608
Cynara algarbiensis, taxonomy 860
Cynara auranitica, taxonomy 860
Cynara baetica, taxonomy 860
Cynara cardunculus, taxonomy 860
Cynara cornigera, taxonomy 860
Cynara cyrenaica, taxonomy 860
Cynara humilis, taxonomy 860
Cynara hystrix, taxonomy 860
Cynara scolymus, taxonomy 860
Cynara syriaca, taxonomy 860
Cynara tournefortii, taxonomy 860
Cynodon arcuatus, nomenclature 58
Cynodon dactylon, tissue culture, regeneration 416
Cynodon radiatus, nomenclature 58
Cyperus
Ecuador 2602
ethnobotany 2602
hallucinogens 2602
Peru 2602
Cyperus esculentus, taxonomy 1591
Cyphomandra
compatibility 1764
flowers 1764
fruits 1764
pollen 1764
seeds 1764
Cyphomandra betacea
compatibility 1764
flowers 1764
fruits 1764
pollen 1764
storage 1764
seeds 1764
Cyphomandropsis
compatibility 1764
flowers 1764
fruits 1764
pollen 1764
seeds 1764
Cypripedium calceolus
seed treatment, germination 1116
Sweden 1116
Cypripedium columbianum
characterization 121
distribution 121
Cypripedium montanum
characterization 121
distribution 121
interspecific hybridization 121
Cypripedium parviflorum
characterization 121
distribution 121
interspecific hybridization 121
Cyprus
Hordeum spontaneum 2486, 2787
Hordeum vulgare 2486, 2787
Vicia faba 555
Cyrtopodium, tissue culture, regeneration 426
Cytisus pineticola
new species 107
Ukraine 107
Cytisus scoparius, seed treatment, germination 1857
Cytochrome-*c* oxidase, *Populus,* mitochondrial genetics 1949
Cytology
Aegilops 1247
Agropyron cristatum 1416
Agropyron desertorum 1416
Agropyron michnoi 1416
Agropyron mongolicum 1416
Allium 1316
Asclepiadaceae 1377
Avena 2006
Beta vulgaris 1444
Bromus 1710
Cajanus cajan 1560
Carthamus 1350
Cicer arietinum 1560
Cucumis 1718
Dendranthema indicum 1369
Dendranthema vestitum 1369
Echeveria 952
Elymus canadensis 1417
Elymus lanceolatus 2035
Elymus magellanicus 2035
Elymus spicatus 2035
Elymus trachycaulus 1417, 2035
Erianthus 1443
Festuca 542
Glycine 552, 1584
Helianthus 816
Impatiens 931
Impatiens exilis 931
Lens culinaris 1560
Lotus 1714
Melilotus 1713
Mentha 1725
Milium effusum 138
Milium montianum 138, 975
Milium vernale 138
Miscanthus 1443
Muscari matritensis 944
Narenga 1443
Nicotiana 817
Oenothera grandiflora 2122
Oryza 1413
Oryza sativa 1413
Paspalum bertonii 165
Paspalum dedeccae 165
Paspalum denticulatum 165
Paspalum distichum 165
Paspalum inaequivalve 165
Paspalum palustre 165
Paspalum ramboi 165
Saccharum 1443
Sclerostachys 1443
Sesamum 1353
Solanum commersonii 2931
Solanum gourlayi 2931
Sorghum nitidum 527
Triticum 1247
Triticum monococcum 1402
Vicia faba 2052
Vicia galilea 2052
Vicia hyaeniscyamus 2052
Vicia johannis 2052
Vicia melanops 2052
Vigna 2929
Vigna mungo 1560
Vigna radiata 1560
wild relatives 2908
Cytoplasm, *Glycine soja* 551
Cytoplasmic male sterility
Beta maritima, mitochondrial genetics 1945
Chenopodium berlandieri 2536
Chenopodium quinoa 2536
Lycopersicon (×) *Solanum* 469
Zea mays 2013
Cytotaxonomy
Aegilops fragilis 46
Arachis 90, 1352
Bismarckia 2335
Carthamus 1350
Coccothrinax 2335
Dactylis 814
Guihaia 2335
Impatiens 931
Impatiens exilis 931
Ipomoea batatas 976
Ipomoea trifida 976
Livistona 2335
Lonicera 2439
Nicotiana africana 817
Nicotiana kawakamii 817
Phoenix 2335
Rauvolfia serpentina 126
Sambucus 2439
Tribolium 1578
Tsuga longibracteata 1653
Viburnum 2439
Czechoslovakia
Aegilops 1215
Astragalus alpinus 539
Astragalus penduliflorus 539
grasslands 218-219
Papaver bracteatum 954
Papaver orientale 954
Papaver pseudo-orientale 954
Poa supina 539
Solanum tuberosum 2760
Trifolium pratense 2517
Dacryodes edulis
breeding 2961
nutritive value 2961
Dactylis
China 2033
collecting missions 174
cytotaxonomy 814
evaluation 174, 2033
evolution 814
genetic resources 814
Pakistan 2033
Sweden 2033
Dactylis glomerata
pollen
allergens 2034
cryopreservation 1129
germination 1129
storage 2034
seeds, air drying 264
Danthonia chiapasensis
Central America 837
new species 837
Danthonia linkii
artificial selection 1419
Australia 1419
varieties 1419
Danthonia richardsonii
artficial selection 1418
Australia 1418
varieties 1418
Daphne arbuscula
chromosome morphology 2120
chromosome number 2120
endangered species 2120
Slovakia 2120
Dasylirion
fibres 2110
Mexico 2110
USA 2110
Dasypyrum
molecular genetics
evolution 1913
numerical taxonomy 1913
Dasypyrum villosum
collecting missions 1032
Italy 1032
Dasypyrum* × *Agropyron, intergeneric hybridization 620
Databases
Aegilops, gene banks 504
Arabidopsis thaliana, genetic resources 4

Databases *cont.*
Canada 1569
cereals 497
crops 1965, 1987
gene banks 1229
germplasm 1385
networks 1968
Cucumis
collections 1329
morphology 1329
taxonomy 864
distribution 1569
endangered species 614, 1569
fruit crops 2846
Glycine max 2050
Hordeum 2001
Hordeum vulgare 2001
Juglans regia 1222
Musa 613
Oryza sativa 1971
Pisum sativum 497
taxonomy 1569
Triticum, gene banks 504
Umbelliferae, taxonomy 2348
USA 1569, 1983
wild plants, Italy 2482
Zea mays 2010
***Datura fastuosa*,** chemotaxonomy 125
***Datura ferox*,** seeds, cryopreservation 1094
***Datura metel*,** chemotaxonomy 125
Datura stramonium
chemotaxonomy 125
seeds, cryopreservation 1094
Davidia involucrata
centres of origin 823
China 823
Deforestation
economics 2311
Latin America 2311
woodlands 2392
Delostoma
distribution 903
keys 903
taxonomy 903
Delphinium
seeds
germination 2659
storage 2659
Dendranthema indicum
cytology 1369
interspecific hybridization 1369
Dendranthema morifolium
tissue culture
cryopreservation 1894
regeneration 1894
Dendranthema vestitum
cytology 1369
interspecific hybridization 1369
***Dendrobium*,** taxonomy 1689
Dendrobium gouldii
distribution 2455
Solomon Islands 2455
taxonomy 2455
Dendrobium palawense
Asia 118
taxonomy 118
Dendrocalamus detinens
Myanmar 2478
taxonomy 2478
Dendrochilum karoense
Indonesia 117
Malaysia 117
new species 117
Dendrochilum mirabile
Indonesia 117
Malaysia 117
new species 117
Dendrochilum suratii
Indonesia 117
Malaysia 117
new species 117
Denmark
crops 1963
Lotus corniculatus 2518
Ribes, red currants 1747
Triticeae 7
Descriptors
Aegilops comosa 2758
Arachis hypogaea 2102
Beta 1355
Crataegus laevigata 2088
Descriptors *cont.*
Hordeum vulgare 1999
Ipomoea batatas 1312
Manihot esculenta 2068
Medicago 1283
Musa 589
Oryza sativa 1970, 2028
Desiccation, *Zizania palustris*, seeds 1100
Desmodium
collecting missions 2559
Thailand 2559
Vietnam 2559
Desmodium griffithianum
China 2114
chromosome morphology 2114
chromosome number 2114
***Desmodium heterocarpon*,** tissue culture, regeneration 346
***Desmodium ovalifolium*,** tissue culture, regeneration 346
Desmodium sequax
China 2114
chromosome morphology 2114
chromosome number 2114
Desmotes
Latin America 1623
taxonomy 1623
Developed Countries
agricultural policy 1546
economics 804
policy 804
social policy 1544
Developing Countries
agricultural policy 1546
biotechnology 1903, 1905
breeders' rights 807, 2312, 2314, 2318
conservation 2316
environmental degradation 806
fodder legumes 1272
genetic resources 809
intellectual property rights 2313
on-farm conservation 779
Oryza sativa 1910
social policy 1544
Theobroma cacao 478, 1910
Zea mays 742
Development
Lycopersicon chmielewskii
fruits 2078
sucrose synthase 2078
Trifolium repens 2813
Trifolium semipilosum 2813
Development aid, genetic resources, biotechnology 445
***Dianthus*,** tissue culture, regeneration 1165
Dianthus hybridus
tissue culture
cryopreservation 1894
regeneration 1894
***Dianthus langeanus*,** chromosome number 2123
***Dianthus laricifolius*,** chromosome number 2123
***Dianthus legionensis*,** chromosome number 2123
***Dianthus superbus*,** new taxa 1682
***Dianthus toletanus*,** chromosome number 2123
***Diaphania hyalinata*,** *Cucumis sativus*, pest resistance 576
***Diaphania nitidalis*,** *Cucumis sativus*, pest resistance 576
Dichanthelium
Central America 837
taxonomy 837
Dichelachne
Australia 2367
keys 2367
taxonomy 2367
***Dicksonia sellowiana*,** *in vitro* culture, regeneration 433
Didymella *(see also Mycosphaerella)*
Differentiation (*see* Development)
Digitalis lanata
cell culture, cryopreservation 1171
protoplasts, cryopreservation 1897
tissue culture, regeneration 1172
***Digitalis obscura*,** cardenolide 1208
***Digitalis purpurea*,** tissue culture, regeneration 1172
***Digitalis thapsi*,** cell culture, digitoxin 489
Digitaria breedlovei
Central America 837
new species 837
Digitaria clavitricha
Central America 837
new species 837
Digitaria dioica
Bolivia 1010
Colombia 1010
hermaphroditism 1010
taxonomy 1010
Digitaria neesiana
Brazil 1010
hermaphroditism 1010
taxonomy 1010
Digitoxin, *Digitalis thapsi*, cell culture 489
Digomphia
distribution 903
keys 903
taxonomy 903
Dimocarpus longan
recalcitrant seeds
cryopreservation 306
storage 306
viability 306
seeds
germination 2650
storage 2650
Dimorphandra parviflora
Brazil 1829
ethnobotany 1829
Dinochloa robusta
Malaysia 959
new species 959
***Dionaea muscipula*,** tissue culture, storage 420
***Dioon*,** restriction fragment length polymorphism, evolution 2732
Dioscorea
Africa 1873
Asia 1873
Benin 2563
Brazil 2069
breeding 2937
Cameroon 2563
chloroplast genetics
evolution 2720
taxonomy 2720
collecting missions 2563
collections 749
Côte d'Ivoire 2563
genetic resources 5
in vitro culture 2937
conservation 1873
interspecific hybridization 2930
medicinal properties 2069
Papua New Guinea 749
plant composition 2069
***Dioscorea abyssinica*,** tissue culture, tubers 356
Dioscorea alata
China 1313, 2070
evaluation 1313
medicinal properties 2070
tissue culture, tubers 356
***Dioscorea brevifolia*,** taxonomy 1590
***Dioscorea delavayi*,** taxonomy 1590
Dioscorea deltoidea
diosgenin 571
evaluation 571
India 571
***Dioscorea deltoides*,** cell culture, cryopreservation 1900
Dioscorea esculenta
China 1313
evaluation 1313
Dioscorea fordii
China 2070
medicinal properties 2070
***Dioscorea kamoonensis*,** taxonomy 1590
***Dioscorea ochroleuca*,** taxonomy 1590
Dioscorea persimilis
China 2070
medicinal properties 2070
Diosgenin, *Dioscorea deltoidea* 571
Dipeptides
Oryza alata 2024
Oryza latifolia 2024
Diphasiastrum complanatum
China 2128
medicinal properties 2128

Diplachne fusca, salt tolerance 2038
Diplocarpon rosae, *Rosa,* disease resistance 2121
Diplopterys cabrerana
Ecuador 2602
ethnobotany 2602
hallucinogens 2602
Peru 2602
Diplotaxis
chemotaxonomy 89
taxonomy 1675
Diplotaxis catholica, taxonomy 1675
Diplotaxis siifolia, taxonomy 1675
Diplotaxis tenuifolia
ethnobotany 1833
Italy 1833
Diplotaxis* × *Brassica, intergeneric hybridization 2955
Dipogon, chloroplast genetics, evolution 2716
Dipsacus
evolution, isoenzymes 1723
genetics, isoenzymes 1723
Dipterocarpus megacarpus
new species 2419
Sabah 2419
Disa uniflora
seeds
gene banks 1117
storage 1117
viability 1117
Disease resistance
Aegilops, Puccinia recondita 2784
Aegilops biuncialis, nucleocytoplasmic interaction 2149
Aegilops mutica, nucleocytoplasmic interaction 2149
Aegilops ovata, nucleocytoplasmic interaction 2149
Aegilops speltoides, nucleocytoplasmic interaction 2149
Aegilops triuncialis, nucleocytoplasmic interaction 2149
Aegilops × *Triticum, Puccinia striiformis* 631
Agropyron
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
Allium cepa
Peronospora destructor 1430
Sclerotinia squamosa 1430
Allium roylei
Peronospora destructor 1430
Sclerotinia squamosa 1430
Arachis 1441
Mycosphaerella arachidis 2194
Mycosphaerella berkeleyi 2194
Puccinia arachidis 2194
Arachis batizocoi, Puccinia arachidis 698
Arachis cardenasii
peanut stripe potyvirus 1351
Puccinia arachidis 698
Arachis chacoense
peanut stripe potyvirus 1351
Puccinia arachidis 698
Arachis duranensis, Puccinia arachidis 698
Arachis hypogaea 1441
Aspergillus flavus 2859
Mycosphaerella arachidis 2858
peanut stripe potyvirus 1351
Puccinia arachidis 698
Avena abyssinica
Puccinia coronata 1254
Ustilago segetum 1254
Avena barbata
Puccinia coronata 1254
Ustilago segetum 1254
Avena byzantina
Puccinia coronata 1254
Ustilago segetum 1254
Avena nuda
Puccinia coronata 1254
Ustilago segetum 1254
Avena sativa
barley yellow dwarf luteovirus 1392
Puccinia coronata 1253-1254
Ustilago segetum 1253-1254
Disease resistance *cont.*
Beta patellaris
beet necrotic yellow vein furovirus 2199
Polymyxa betae 2199
Beta procumbens
beet necrotic yellow vein furovirus 2199
Polymyxa betae 2199
Beta vulgaris
beet necrotic yellow vein furovirus 2199
Polymyxa betae 2199
Boehmeria nivea 2870
Brassica
Rhizoctonia solani 1346
Xanthomonas 2072
Brassica campestris, turnip rape, viruses 2855
Brassica juncea
Albugo candida 591
Alternaria brassicae 591
Peronospora parasitica 591
viruses 2855
Brassica napus, Leptosphaeria maculans 1345
Brassica oleracea, cabbages, *Peronospora parasitica* 2838
Capsicum 1436
Capsicum annuum
Leveillula taurica 2946
Phytophthora capsici 2843
tobacco mosaic tobamovirus 2945
Capsicum chinense, tobacco mosaic tobamovirus 2945
Capsicum frutescens, tobacco mosaic tobamovirus 2945
Castanea crenata
Phytophthora cambivora 2953
Phytophthora cinnamomi 2953
Castanea sativa
Phytophthora cambivora 2953
Phytophthora cinnamomi 2953
Cicer arietinum 1298
Ascochyta rabiei 1300, 2060
Fusarium oxysporum 1299
Citrullus colocynthis
Colletotrichum orbiculare 690
viruses 582
Citrullus lanatus
Colletotrichum orbiculare 690
Fusarium oxysporum 581
viruses 582
crops 2282, 2754
genetics 2909
Cucumis, Pseudoperonospora cubensis 1332
Cucumis africanus, Pseudoperonospora cubensis 1332
Cucumis ficifolius, Pseudoperonospora cubensis 1332
Cucumis figarei, Pseudoperonospora cubensis 1332
Cucumis leptodermis, Pseudoperonospora cubensis 1332
Cucumis meeusii, Pseudoperonospora cubensis 1332
Cucumis melo
Acremonium 577
beet pseudo-yellows virus 687
lettuce infectious yellows virus 578
viruses 579-580
Cucumis metuliferus, Pseudoperonospora cubensis 1332
Cucumis myriocarpus, Pseudoperonospora cubensis 1332
Cucumis prophetarum, lettuce infectious yellows virus 578
Cucumis sagittatus, Pseudoperonospora cubensis 1332
Cucumis sativus
cucumber mosaic cucumovirus 583
Rhizoctonia solani 1327
Cucurbita ecuadorensis, viruses 691
Cucurbita maxima, viruses 691
Cucurbita moschata, Sphaerotheca fuliginea 1323
Elymus
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
Disease resistance *cont.*
Elymus hispidus, barley yellow dwarf luteovirus 1403
Elymus × *Triticum*
barley yellow dwarf luteovirus 1396
Erysiphe graminis 637
wheat streak mosaic rymovirus 2155
Ficus, Cerotelium fici 1339
Ficus auriculata, Cerotelium fici 1339
genetic diversity 1985
Glycine max
Cercospora sojina 2051
Peronospora manshurica 2051
soybean yellow vein virus 554
Glycine soja, soybean mosaic potyvirus 2824
Gossypium arboreum, Myrothecium roridum 1358
Gossypium barbadense, Myrothecium roridum 1358
Gossypium herbaceum, Myrothecium roridum 1358
Gossypium hirsutum, Myrothecium roridum 1358
Helianthus
Erysiphe cichoracearum 1348
Orobanche cumana 1348
Phoma oleracea 1348
Plasmopara halstedii 1348
Helianthus annuus
Plasmopara halstedii 697
Puccinia helianthi 1349, 2101, 2856
Helianthus argophyllus, Puccinia helianthi 2856
Helianthus petiolaris, Puccinia helianthi 2856
Hordeum
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
Hordeum bulbosum, Erysiphe graminis 650
Hordeum chilense, Mycosphaerella graminicola 2150
Hordeum spontaneum, Erysiphe graminis 2786
Hordeum vulgare
barley yellow dwarf luteovirus 1392
barley yellow mosaic bymovirus 1251
Erysiphe graminis 522, 650, 2789
fungi 522
Hordeum × *Triticum*
Mycosphaerella graminicola 2150
Puccinia recondita 651
Ipomoea batatas
Botryodiplodia theobromae 570
Ceratocystis fimbriata 570
Erwinia chrysanthemi 570
Fusarium oxysporum 1311
Fusarium solani 570
Pseudomonas solanacearum 1311
Rhizopus 570
Rhizopus stolonifer 570
Lactuca saligna, tomato spotted wilt virus 1432
Lactuca sativa, tomato spotted wilt virus 1432
Lactuca virosa, beet western yellows luteovirus 680
Leymus
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
Lycopersicon cheesmanii
Fusarium oxysporum 2081
tomato yellow leaf curl bigeminivirus 684
Lycopersicon chilense, Fusarium oxysporum 2081
Lycopersicon esculentum
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
tobacco mosaic tobamovirus 2940
tomato spotted wilt tospovirus 1319, 1435, 2940
tomato yellow leaf curl bigeminivirus 684
Lycopersicon hirsutum
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
Fusarium oxysporum 2081
tomato spotted wilt tospovirus 1319, 1435

Disease resistance *cont.*
Lycopersicon peruvianum
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
Fusarium oxysporum 2081
tobacco mosaic tobamovirus 2940
tomato spotted wilt tospovirus 1319, 1435, 2940
tomato yellow leaf curl bigeminivirus 684
Lycopersicon pimpinellifolium
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
Fusarium oxysporum 2081
tomato yellow leaf curl bigeminivirus 684
Macroptilium atropurpureum
Oidium 2820
Phaeoisariopsis griseola 2820
Rhizoctonia solani 2820
Uromyces appendiculatus 2820
Malus floribunda, Venturia inaequalis 587
Malus pumila, Venturia inaequalis 587
Manihot esculenta
African cassava mosaic bigeminivirus 2930
Xanthomonas campestris 2930
Manihot glaziovii
African cassava mosaic bigeminivirus 2930
Xanthomonas campestris 2930
Medicago sativa, Peronospora trifoliorum 2811
Morus 2095
Morus atropurpurea 2095
Morus mongolica 2095
Musa
Mycosphaerella fijiensis 2952
Mycosphaerella musicola 1341
Narcissus, Fusarium oxysporum 1374
Nicotiana
Alternaria alternata 2865
Erysiphe cichoracearum 1445, 2865
Peronospora tabacina 1445
Phytophthora nicotianae 1445
Pseudomonas syringae 1445, 2865
Thielaviopsis basicola 1445
tobacco mosaic tobamovirus 1445
tomato mosaic tobamovirus 1445
tomato spotted wilt virus 1445
Nicotiana repanda, tobacco mosaic tobamovirus 2203
Nicotiana tabacum
Alternaria alternata 2865
Erysiphe cichoracearum 2865
Pseudomonas syringae 2865
tobacco mosaic tobamovirus 2203
Oryza, rice black-streaked dwarf fijivirus 2164
Oryza barthii
Africa 2795
rice tungro bacilliform badnavirus 2795
Oryza brachyantha
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Oryza glaberrima
Africa 2795
rice tungro bacilliform badnavirus 2795
Oryza glumaepatula, rice black-streaked dwarf fijivirus 2164
Oryza latifolia, rice black-streaked dwarf fijivirus 2164
Oryza longiglumis
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Oryza minuta
Pyricularia oryzae 1262
Thanatephorus sasakii 1262
Oryza nivara
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Disease resistance *cont.*
Oryza officinalis
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Oryza rhizomatis
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Oryza sativa 2923
Pyricularia oryzae 1261, 1264
rice black-streaked dwarf fijivirus 2164
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Ustilaginoidea virens 2798
Xanthomonas oryzae 536, 2029
Pennisetum glaucum
fungi 2020
Tolyposporium penicillariae 2794
Phaseolus coccineus, Phoma exigua 1296
Phaseolus polyanthus, Phoma exigua 1296
Phaseolus vulgaris
Colletotrichum lindemuthianum 1292
Uromyces appendiculatus 557, 1293, 2056
Xanthomonas campestris 557, 1294
Populus, Xanthomonas populi 598, 1361
Populus tremula, Xanthomonas populi 598
Ribes nigrum 2189
Rosa, Diplocarpon rosae 2121
Rubus crataegifolius, Phytophthora erythroseptica 2188
Rubus idaeus, Phytophthora erythroseptica 2188
Rubus parviflorus, Phytophthora erythroseptica 2188
Rubus parvifolius, Phytophthora erythroseptica 2188
Rubus spectabilis, Phytophthora erythroseptica 2188
Rubus strigosus, Phytophthora erythroseptica 2188
Solanum 2183
Clavibacter michiganensis 1309
Solanum demissum, Phytophthora infestans 2832
Solanum integrifolium, Pseudomonas solanacearum 2084
Solanum melongena, Pseudomonas solanacearum 2084
Solanum nigrum, Phytophthora infestans 2832
Solanum phureja, Phytophthora infestans 1425
Solanum sanitwongsei, Pseudomonas solanacearum 2084
Solanum torvum, Verticillium dahliae 2932
Solanum tovum, Pseudomonas solanacearum 2084
Solanum tuberosum 2183
Clavibacter michiganensis 1422
Erwinia carotovora 1422
Phytophthora infestans 1425, 2832
Verticillium dahliae 2932
Solanum villosum, Phytophthora infestans 2832
Sorghum bicolor, Claviceps sorghi 1257
Spinacia oleracea, Peronospora farinosa 2839
Spinacia tetrandra, Peronospora farinosa 2839
Spinacia turkestanica, Peronospora farinosa 2839
Triticum
barley yellow dwarf luteovirus 1392
Mycosphaerella graminicola 2150
nucleocytoplasmic interaction 2149
Puccinia recondita 2784
Triticum aestivum
barley yellow dwarf luteovirus 1392, 1403
Cochliobolus sativus 509, 516, 1239
Gibberella zeae 507, 627, 2915
Disease resistance *cont.*
Triticum aestivum cont.
Puccinia graminis 1401
Puccinia recondita 1245
Triticum araraticum, Puccinia graminis 1401
Triticum dicoccoides, Puccinia striiformis 2778
Triticum dicoccum, Puccinia recondita 1998
Triticum durum
Puccinia graminis 1397
Puccinia recondita 1998
Puccinia striiformis 2777
Triticum monococcum, Puccinia recondita 1998
Triticum timopheevii, Puccinia recondita 1998
Triticum × *Aegilops, Puccinia striiformis* 631
Triticum × *Hordeum, Puccinia recondita* 651
Vigna angularis, Cercospora canescens 1306
Vigna radiata
Cercospora canescens 2829
Erysiphe polygoni 2829
mung bean yellow vein mosaic virus 2829
yellow mosaic geminivirus 1304
Vigna unguiculata
Erysiphe polygoni 1301
Macrophomina phaseolina 2062
Vitaceae, *Xanthomonas campestris* 1337
Vitis
Coniella diplodiella 1338
Elsinoe ampelina 1338
Plasmopara viticola 1338
Xanthomonas campestris 1337
Vitis labrusca, Xanthomonas campestris 1337
Vitis vinifera
Coniella diplodiella 1338
Elsinoe ampelina 1338
Plasmopara viticola 1338
Xanthomonas campestris 1337
Zea mays, maize dwarf mosaic potyvirus 1256, 2160
Diseases
Oryza sativa
genetics 2923
quarantine 1463
Distribution
Abies alba 39
Abies borisii-regis 39
Abies bornmuelleriana 39
Abies cephalonica 39
Abies equi-trojani 39
Actinidia 83
Actinidia deliciosa 83
Ajuga spectabilis 1679
Albizia niopoides 1640
Aloe bowiea 951
Arisaema dracontium, hybridization 2446
Arisaema triphyllum, hybridization 2446
Aristida beyrichiana 1579
Aristida stricta 1579
Banksia cuneata 160
Becium 2473
Bignoniaceae 903
Bonamia ovalifolia 936
Brassica 876
Cajanus cajan 1585
Calystegia longipes 936
Carya cathayensis 875
Chamaecytisus proliferus 912
Chusquea 904
Corydalis 1683
Corydalis glaucescens 1683
Corydalis ledebouriana 1683
Corydalis shanginii 1683
Crassula aurus 2463
Cucurbitaceae 1593
Cybistax 903
Cypripedium columbianum 121
Cypripedium montanum 121
Cypripedium parviflorum 121
databases 1569
Delostoma 903
Dendrobium gouldii 2455
Digomphia 903

Distribution *cont.*
Echinops 2443
Ekmanianthe 903
Elymus 2361
Elymus caucasicus 2361
Elymus longearistatus 2361
endangered species 2342
Endostemon 2473
Epipactis royleana 2456
Erythrina 127
Erythrina caffra 127
Ficus 869
flora 41, 1057, 2343
forest trees, books 2991
forests 235, 1067-1068
books 2991
Ginkgo biloba, nature reserves 1654
Glycine 72
Glycine gracilis 73
Glycine soja 73
Glycine viridula 73
Godmania 903
Goodyera repens 2460
Gossypioides 2265
Gossypium 2265
Gossypium arboreum 91
Gossypium barbadense 91
Gossypium herbaceum 91
Gossypium hirsutum 91
grasslands
books 2988
remote sensing 53
USA 53
Gymnospermae 2425
Gynerium sagittatum 2366
Hedysarum 69
Hedysarum aculeolatum 69
Hedysarum carnosum 69
Hedysarum coronarium 69
Hedysarum flexuosum 69
Hedysarum glomeratum 69
Hedysarum naudinianum 69
Hedysarum pallidum 69
Hedysarum perrauderianum 69
Hedysarum spinosissimum 69
Hevea 1564
Hevea brasiliensis 1564
Hyphaene dichotoma 2407
Ilex 1661
Ipomoea cardiophylla 936
Ipomoea tenuiloba 936
Ipomoea thurberi 936
Iris, books 746
Jacaranda 903
Jatropha 2883
Lagarostrobos franklinii 159
Leguminosae 2346
Lilium 115
Lilium longiflorum 162
Loncera 870
Lonicera 1601
Macleania rupestris 2850
Madia sativa 1083
Malus, books 1490
Medicago 67-68
Medicago laciniata 68
Medicago littoralis 68
Medicago minima 68
Medicago monantha 1580
Medicago polymorpha 67
Medicago truncatula 67-68
medicinal plants, books 733
Miconia 904
Mucuna 127
Musa 1342
Ocimum 2473
Ocotea 904
Orchidaceae 120
Orchis sancta 2454
Orchis ustulata 946
Oreopanax 904
ornamental plants 2427
Orthosiphon 2473
Palicourea 904
Panicum miliaceum 828
Paratecoma 903
Phaseolus lunatus 2329
Phaseolus vulgaris, subsistence farming 1827
Phragmipedium besseae 2459
Pinus 2423
Distribution *cont.*
Piper betle 131
Piper clypeatum 131
Piper flavimarginatum 131
Piper methysticum 1382
Piper wichmannii 1382
Plantago media 957
Podocarpus alpinus 158
Polygonum aviculare 1698
Polygonum bistorta 1698
Polygonum hydropiper 1698
Polygonum lapathifolium 1698
Polygonum minus 1698
Polygonum persicaria 1698
Pyrus 11
Pyrus betulifolia 11
Pyrus calleryana 11
Pyrus ussuriensis 11
Quercus 2393
Quercus crenata 2397
rain forests 2332
Raphanus sativus 1561
Rhododendron 106
Ribes viburnifolium 82
Romeroa 903
Sechium hintonii 78
Sesamum 1353
Sicana 2379
Solanaceae 822
Sorghum bicolor 2352
Sparattosperma 903
Tabebuia 903
Tecoma 903
Terminalia 2416
Tetraclinis articulata 102
Theobroma cacao 14
Triticum dicoccoides 45
Vigna radiata 1305, 2375
wild plants 960, 2625
Italy 2482
Zoysia japonica 59
Diuraphis noxia
Hordeum bulbosum, pest resistance 646
Triticum aestivum, pest resistance 2780
Diuris longifolia, micropropagation 2691
Diversity
Abelmoschus caillei 151
Abelmoschus esculentus 151
conservation, books 2236
crops, subsistence farming 1825
flora 1057
forests, plant communities 1074, 1079
genetic resources 142-143
grasslands 144
Phaseolus vulgaris, subsistence farming 1081
rain forests, books 1492
tropical forests 798
woodlands, plant communities 1077
Djibouti
Ficus 869
forest trees 2991
forests 2991
DNA
Glycine 2825
Vicia faba 2052
Vicia galilea 2052
Vicia hyaeniscyamus 2052
Vicia johannis 2052
Vicia melanops 2052
DNA fingerprinting
Carica, taxonomy 1198
Carica papaya, taxonomy 1198
Musa 472
DNA libraries, *Sedum album* 1954
DNA probes
Aegilops markgraffii 453
Beta, evolution 475
Coronilla emerus 493
Elymus hispidus 662
Elymus × *Triticum* 662
Lycopersicon (×) *Solanum* 685
Silene uniflora 493
Triticum aestivum, chromosome addition 449
Documentation, *Musa* 589, 730
Dolichos *(see Canavalia; Lablab; Macrotyloma; Vigna)*
Dolichos grahamianus
Indochina 1586
taxonomy 1586
Dolichos grahamianus *cont.*
Thailand 1586
Dolichos oxyphyllus
Indochina 1586
taxonomy 1586
Thailand 1586
Dolichovigna pilosa
Indochina 1586
taxonomy 1586
Thailand 1586
Doliocarpus carnevaliorum
new taxa 1705
Venezuela 1705
Doliocarpus dentatus
new taxa 1705
Venezuela 1705
Doliocarpus hispidobaccatus
new taxa 1705
Venezuela 1705
Domestication
Cajanus
fruits 139
seeds 139
Canarium 2484
Colocasia 2484
crops 1820, 2484
books 1486
Cucumis sativus 37, 1326
Glycine
fruits 139
seeds 139
Gossypium barbadense 980
Gossypium hirsutum 980
Gossypium tricuspidatum 980
grain legumes
fruits 139
seeds 139
Hevea 1564
Hevea brasiliensis 1564
Hordeum spontaneum 2486
Hordeum vulgare 2486
Ipomoea 2484
Lens culinaris 2489
Macrotyloma
fruits 139
seeds 139
Prunus davidiana, pollen 2331
Prunus ferganensis, pollen 2331
Prunus kansuensis, pollen 2331
Prunus persica, pollen 2331
Sapium sebiferum 2875
Solanum sessiliflorum 1720
Vigna unguiculata, chloroplast genetics 1184
Zea 2487
Zea mays 2487
Dominican Republic
Pereskia marcanoi 1644
Phaseolus vulgaris 557
Dopa
Mucuna atrocarpa 1285
Mucuna cochinchinensis 1285
Mucuna deeringiana 1285
Dormancy
Andropogon gayanus, seeds 2639
Atriplex cordobensis, seeds 2634
Calligonum polygonoides, seeds 2640
Cenchrus glaucus, seeds 283
Colliguaja integerrima, seeds 2112
Cucumis sativus, seeds 303
Fagus sylvatica, recalcitrant seeds 2656
Fraxinus ornus, seeds 1856
Galium spurium, seeds 2664
grain legumes, seeds 1104
grasses, seeds 2636
Helianthus, seeds 312
Helianthus grosseserratus, seeds 312
Helianthus mollis, seeds 312
Lactuca sativa, seed treatment 299
Malus pumila, seed treatment 304
Oryza sativa, seed treatment 2632
Sesbania rostrata, seeds 2641
Sorbus domestica, seeds 1856
Dorstenia asaroides
Brazil 253
medicinal properties 253
Draba
isoenzymes 819
polyploidy 819, 2544
reproduction 2544
Scandinavia 819, 1678

Draba *cont.*
taxonomy
pollen 1678
seeds 1678
Draba alpina
isoenzymes 819
polyploidy 819
Scandinavia 819
Draba crassifolia
isoenzymes 819
polyploidy 819
Scandinavia 819
Draba oxycarpa
isoenzymes 819
polyploidy 819
Scandinavia 819
Drechslera *(see also Cochliobolus)*
Drosera, tissue culture, storage 420
Drought
angiosperms 195
Bryophyta 195
Sorghum bicolor, seeds 272
Drought resistance (*see also* Heat resistance)
Acacia karroo, seeds 2871
Acacia tortilis, seeds 2871
Aegilops kotschyi 512
Agropyron cristatum 540
Agropyron desertorum 540
Agropyron mongolicum 540
Avena sativa 1253
Brachypodium distachyon 2801
Bromus fasciculatus 2801
Colophospermum mopane, seeds 2871
Combretum apiculatum, seeds 2871
Cucumis sativus 1325
Erucaria hispanica 2801
Fragaria chiloensis 2093
Fragaria virginiana 2093
Glycine max 1288
Gossypium hirsutum 2204
grasses 1796
grasslands 2590
plant communities 216
Ipomoea batatas 1311
Leymus chinensis 540
Leymus secalinus 540
Lycopersicon cericelifollium 2082
Lycopersicon chilense
gene expression 1940
molecular genetics 1940
Lycopersicon esculentum 2082
Sesbania cannabina 2819
Sesbania rostrata 2819
Sesbania speciosa 2819
Triticum aestivum 512
Triticum dicoccum 1244
Triticum durum 1237, 2781
Drying, *Lens culinaris,* seeds 1106
Duabanga
chromosome number 2406
taxonomy 2406
Dupontia × ***Poa,*** intergeneric hybridization 1709
Duvalia
South Africa 2469
taxonomy 2469
Dwarf habit (*see* Height)
Dye plants
Austria 2964
utilization 2964
Dyssodia pentacheta
tissue culture, regeneration 443
vegetative propagation, regeneration 443
East Africa, grasses 2261
East Asia, *Nyssa* 2339
Eastern Europe, grasslands 2988
Ebenus armitagei
conservation 148
ecology 148
Egypt 148
endangered species 148
Echeveria
cytology 952
taxonomy 952
Echinocactus platyacanthus
ethnobotany 1086
Mexico 1086
Echinochloa crus-galli
evaluation 2018
forage 2018
Echinochloa crus-galli *cont.*
Korea Republic 2018
salt tolerance 2018
Echinochloa esculenta
Japan 50
taxonomy 50
Echinochloa frumentacea, tissue culture, regeneration 334
Echinochloa utilis
China 1274
salt tolerance 1274
Echinops
Africa 2443
chemotaxonomy 2443
distribution 2443
Eclipta prostrata, seeds, germination 1860
Ecology 784
Astragalus adsurgens 1743
Ebenus armitagei 148
endangered species 1735
forests 235
Goodyera repens 2460
grasslands 59
Lagarostrobos franklinii 159
Oryza rufipogon 994
Podocarpus alpinus 158
Zoysia 59
Economic sociology, Brazil 1818
Economics
biodiversity 1510
conservation 19, 776, 789, 1528, 2272, 2311
books 1484
deforestation 2311
Developed Countries 804
environmental degradation 804
forest trees, minor forest products 2207
forests 2296-2297
genetic erosion 804
genetic resources 31, 805
rain forests 2609
sustainability 804, 1554, 2272
books 1484
Theobroma cacao 478
woody plants, minor forest products 2207
Ecosystems, *in situ* conservation 2569
Ecotypes
Acacia mearnsii 2399
Agrostis stolonifera 147
Avena byzantina 2511
Avena fatua 2534
Avena sativa 2511
Beckmannia syzigachne 2809
Brachypodium distachyon 2801
Bromus fasciculatus 2801
Bromus tectorum 1000
Centella asiatica 603
Erucaria hispanica 2801
forest trees 1530
Galium spurium 2664
Gynerium sagittatum 2366
Lathyrus sativus 545
Lilium longiflorum 162
Lolium perenne 2806
Medicago 1282
Medicago murex 543
Medicago truncatula 543
Plantago media 957
Poa annua 996
Poa argunensis 832
Poa labillardieri 2513
Poa rangkulensis 832
Trifolium pratense 2517
Triticum dicoccoides 45
Zea mays 2349, 2351
Zoysia japonica 997
Ecuador
Arthrostylidium ecuadorense 2368
Arthrostylidium youngianum 2368
Banisteriopsis caapi 2602
Brugmansia suaveolens 2602
Brunfelsia grandiflora 2602
Catasetum macroglossum 948
Catasetum sodiroi 948
Cyperus 2602
Diplopterys cabrerana 2602
Eriochloa stevensii 831
Exarata chocoensis 907
Gonzalagunia villosa 1649
grasslands 1795
Hedyosmum uniflorum 2414
Ecuador *cont.*
Heliconia fredberryana 929
Heliconia litana 929
Heliconia lutheri 929
Heliconia obscura 929
Heliconia stricta 2602
Herrania 2602
Ilex guayusa 2602
Lycopersicon cheesmanii 2941
on-farm conservation 1548
Passiflora brachyantha 873
Phragmipedium besseae 2459
Prunus serotina 2948
Raritebe axillare 1649
Solanum, tuberous species 183
Solanum lobbianum 74
Edible species
Alpinia caerulea 1381
Amomum dallachyi 1381
Hornstedtia scottiana 1381
wild plants 2625
Education, botanical gardens 2133
Educational institutions, France 2137
Egypt
Acacia 1488
Aegilops 1488
Allium 1488
Amaranthus 2356
Amaranthus graecizans 2356
Amaranthus hybridus 2356
Brassica 2387
Citrullus 1488
Ebenus armitagei 148
Erucaria 2387
Euphorbia peploides 605
grain legumes 766
grasses 1488
Lens culinaris 2057
Medicago 1488
Panicum 1488
Pennisetum 1488
Phoenix 1488
Solanum nigrum 605
Trifolium alexandrinum 544
Trigonella foenum-graecum 2044
Triticum durum 2781
Vicia faba 766
Ehretia cymosa
ethnobotany 2111
Ghana 2111
medicinal properties 2111
Ekmanianthe
distribution 903
keys 903
taxonomy 903
Elaeagnus angustifolia
China 1772
plant composition 1772
surveys 1772
Elaeis guineensis
Angola 1043
collecting missions 1043
evaluation 1043
genetic markers 2523
genetic variation, isoenzymes 2523
Malaysia 2146
networks 2146
tissue culture, cryopreservation 1881
Elaeis melanococca
Brazil 2523
genetic markers 2523
genetic variation, isoenzymes 2523
Eleusine coracana
Arab Countries 2552
collecting missions 1033, 2552
evaluation 1235
landraces 1235
Nepal 1235
Republic of Yemen 1033
subsistence farming 1033
Eleusine indica
collecting missions 1030
Uganda 1030
Elsinoe ampelina
Vitis, disease resistance 1338
Vitis vinifera, disease resistance 1338
Elymus *(see also Agropyron; Leymus; Psathyrostachys)*
Asia 56
breeding 660
China 2033

Elymus cont.
disease resistance
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
distribution 2361
evaluation 2033
genomes 56, 1183
interspecific hybridization 835, 2361
Kazakhstan 1576
meiosis 2361
new species 1576
numerical taxonomy 2360
Pakistan 2033
restriction fragment length polymorphism 1183
Sweden 2033
taxonomy 56-57, 813, 835
Elymus caespitosus
chromosome pairing 2036
genomes 2036
interspecific hybridization 2036
Elymus canadensis
cytology 1417
interspecific hybridization 1417
Elymus caucasicus
distribution 2361
interspecific hybridization 2361
meiosis 2361
Elymus dahuricus
China 1274
salt tolerance 1274
Elymus elongatus
genomes 1278
interspecific hybridization 1278
Elymus farctus
chromosome pairing 2036
chromosome transmission 449
genomes 1278, 2036
interspecific hybridization 1278, 2036
Elymus hispidus
chromosome banding 662
chromosome pairing 2036
disease resistance, barley yellow dwarf luteovirus 1403
DNA probes 662
genomes 2036
interspecific hybridization 2036
Elymus lanceolatus
cutting 2808
cytology 2035
interspecific hybridization 2035
USA 2171, 2808
wide hybridization 2171
Elymus longearistatus
distribution 2361
interspecific hybridization 2361
meiosis 2361
Elymus magellanicus
cytology 2035
interspecific hybridization 2035
South America 2035
Elymus nodosus
chromosome pairing 2036
genomes 2036
interspecific hybridization 2036
Elymus repens, interspecific hybridization 660
Elymus scabrus
Australia 2037
chromosome pairing 2037
genomes 2037
Elymus sibiricus
China 1274
salt tolerance 1274
Elymus spicatus
cytology 2035
interspecific hybridization 660, 2035
Elymus trachycaulus
Canada 1275
cytology 1417, 2035
interspecific hybridization 1417, 2035
salt tolerance 1275
Elymus yangii
new species 836
Tibet 836
Elymus* × *Agropyron, intergeneric hybridization 661
Elymus* × *Australopyrum, intergeneric hybridization 2037
Elymus* × *Hordeum, intergeneric hybridization 645, 1409, 2035
Elymus* × *Psathyrostachys
chromosome pairing 661
intergeneric hybridization 661, 2037
Elymus* × *triticale, intergeneric hybridization 641
Elymus* × *Triticum
aneuploidy 636
China 636, 1396
chromosome addition, barley yellow dwarf luteovirus 625
chromosome banding 662, 1404
chromosome pairing 2916
chromosome translocation 1404
disease resistance
barley yellow dwarf luteovirus 1396
Erysiphe graminis 637
wheat streak mosaic rymovirus 2155
DNA probes 662
embryo culture 2156
gene location, wheat streak mosaic rymovirus 2155
intergeneric hybridization 621, 625, 636-637, 641, 662, 1396, 1403-1404, 2155-2156, 2916, 2920
recombination, barley yellow dwarf luteovirus 625
salt tolerance 621
somaclonal variation 636
barley yellow dwarf luteovirus 625
Elytrigia *(see also Elymus)*
keys 55
taxonomy 55
Embryo culture
Aesculus, cryopreservation 2682
Agropyron × *Triticum* 2914, 2919
Brassica campestris 679
Brassica spinescens 679
Brassica × *Raphanus* 679
Carica papaya 1387
Castanea, cryopreservation 2682
Ceratozamia hildae 399
Ceratozamia mexicana 399
Cocos nucifera, storage 1882
Elymus × *Triticum* 2156
Fraxinus excelsior, regeneration 395
Fraxinus ornus, regeneration 1856
Helianthus 694, 2956
Helianthus annuus 694, 2956
Hordeum bulbosum 1407
Hordeum vulgare 1407
Larix occidentalis, regeneration 408
Liriodendron chinense, regeneration 1892
Liriodendron tulipifera, regeneration 1892
Lupinus albus 666
regeneration 342
Lupinus angustifolius 666
regeneration 342
Lupinus hartwegii 666
Lupinus hispanicus 666
Lupinus luteus 666
regeneration 342
Lupinus mutabilis 666
regeneration 342
Lupinus polyphyllus, regeneration 342
Lycopersicon esculentum, Lycopersicon peruvianum 1434
Lycopersicon peruvianum, Lycopersicon esculentum 1433
Magnolia cordata, regeneration 1892
Magnolia fraseri, regeneration 1892
Magnolia macrophylla, regeneration 1892
Magnolia virginiana, regeneration 1892
Medicago 2172, 2715
Medicago sativa 2172
Phaseolus acutifolius 670
Phaseolus vulgaris 670
Picea abies, regeneration 406
Picea glauca, storage 2684
Picea mariana, storage 2684
Podophyllum peltatum, regeneration 1899
Poncirus trifoliata, cryopreservation 377
Quercus, cryopreservation 2682
Sorbus domestica, regeneration 1856
Theobroma cacao, regeneration 1883
Triticum aestivum 1393
cryopreservation 1127
Triticum timopheevii 1393
Vitis rotundifolia, regeneration 1143
Embryology
Ipomoea batatas 2538
Embryology *cont.*
Ipomoea trifida 2538
Vigna unguiculata 674
Vigna vexillata 674
Embryos *(see* Plant embryos)
Empoasca *(see also Amrasca)*
Empoasca fabae
Solanum chacoense, pest resistance 2181
Solanum tuberosum, pest resistance 2181
Enantia chlorantha
medicinal properties 602
Nigeria 602
Enarthrocarpus strangulatus
Israel 287
seeds
germination 287
water balance 287
Encephalartos, pollen, storage 2685
Endangered species
Ajuga spectabilis 1679
Aloe bowiea 951
Ansellia 2458
Ansellia africana 2458
Astragalus 1730
Attalea crassispatha 1618
Aztekium ritteri 1168
Banksia cuneata 160
Begonia 2690
Bonamia ovalifolia 936
Cactaceae 1891
Calluna vulgaris 2429
Calystegia longipes 936
Canada 2326
Centaurium rigualii 421
Cercocarpus traskiae 1540
Chaemaedorea 1830
Changnienia amoena 1696
Chordospartium muritai 1536
Chordospartium stevensonii 1536
collecting missions 1027
collections 26
conservation 808, 1526-1528, 1734, 2234, 2277
Coronopus navasii 421
Daphne arbuscula 2120
databases 614, 1569
distribution 2342
Ebenus armitagei 148
ecology 1735
Erica tetralix 2429
evolution 2326
flora 2266
forest trees 15, 192, 1749
forests 1809
genetic resources 143
genetic variation 1735, 2234
Goodyera repens 2460
Gossypioides 2265
Gossypium 2265
grasslands 1784, 2589
Grevillea scapigera 1162
Grevillea wilkinsonii 2434
Helianthus exilis 1540
Helianthus paradoxus 1540
Hyphaene dichotoma 2407
in vitro culture 330, 1862
Ipomoea cardiophylla 936
Ipomoea tenuiloba 936
Ipomoea thurberi 936
Lathyrus hirticarpus 2372
Lavatera oblongifolia 421, 1164
legislation 32, 2310
Lespedeza leptostachya 1002
Limnanthes floccosa 1748
Limonium estevei 1893
Lobelia loochooensis 2441
Lupinus 2558
Lupinus angustifolius 2558
Lupinus atlanticus 2558
Lupinus cosentinii 2558
Mammillaria herrerae 2465
Mammillaria san-angelensis 1891
Melaleuca 2401
Melocactus conoideus 800
Microstegium vimineum, plant competition 1813
Molinia caerulea 2429
Nardostachys jatamansi 2699
Nepenthes khasiana 1896
Orchidaceae 1538, 1891
conservation 1539

Endangered species *cont.*
ornamental ferns 2769
ornamental plants 503
Phebalium equestre 415
Phebalium hillebrandii 415
plant introduction 26
Platanthera integrilabia 1858
Platanthera praeclara 2546
population genetics 1526, 1734-1736, 2505
sampling 1737
Prunus persica 2288
Pteridophyta 2306
Quercus crenata 2397
Rhus michauxii 1007
Russia 26
Salvia pratensis 2532
Scabiosa columbaria 2532
Schmardaea microphylla 900
Sechium hintonii 78
Shaniodendron subaequale 2430
Spiranthes magnicamporum 423
taxonomy 821, 2326
Taxus baccata 2305
Thymophylla tephroleuca 2663
Trifolium stoloniferum 1001
UK 2326
USA 32, 2310, 2326, 2342
Vanilla walkeriae 440
wild plants 960, 1541-1542, 1812, 2277, 2308-2309
Italy 2482
Endosperm
Arachis monticola 593
Arachis villosa 593
Arachis villosulicarpa 593
Solanum
tuberous species
evolution 36
taxonomy 36
Endostemon
Africa 2473
distribution 2473
taxonomy 2473
Enkianthus chinensis
China 104
genetic resources 104
surveys 104
Enneapogon avenaceus
Australia 203
grazing 203
Enneapogon cenchroides
Botswana 280-281
seed dormancy 280
seeds, fire resistance 281
Entada phaseoloides
China 1286
evaluation 1286
Environmental degradation
Bolivia 778
Developing Countries 806
economics 804
forest trees 773
forests 991, 1084, 1810
books 2990
grasslands 210, 225, 1807, 1810
plant communities 217, 233
Kenya 778
Leymus chinensis 210
policy 804, 806
rain forests 1506
Syria 778
tropical forests 2291
books 1493
Enzymes
Gliricidia sepium, genetic variation 2531
Solanum tuberosum 1308
Eoreuma loftini
Erianthus bengalense, pest resistance 594
Erianthus trinii, pest resistance 594
Miscanthus floridulus, pest resistance 594
Saccharum officinarum, pest resistance 594
Saccharum spontaneum, pest resistance 594
Ephedra
Israel 953
taxonomy 953
Ephedra campylopoda
Israel 953
taxonomy 953
Epidendrum caurense
new species 950
Venezuela 950
Epidendrum dichaeoides
taxonomy 950
Venezuela 950
Epidendrum nuriense
new species 950
Venezuela 950
Epimedium accuminatum
China 2114
chromosome morphology 2114
chromosome number 2114
Epipactis royleana
Asia 2456
characterization 2456
distribution 2456
Equatorial Guinea, tropical forests 2294
Eragrostis curvula
characterization
isoenzymes 1279
seeds 1279
Eragrostis eriopoda
Australia 203
grazing 203
Eragrostis incrassata
new species 840
Somalia 840
Eragrostis lehmanniana
plant introduction 234
seeds
germination 282
light 282
USA 234
Eragrostis rigidior
Botswana 280
seed dormancy 280
Eragrostis rigidor
Botswana 281
seeds, fire resistance 281
Eragrostis rufescens
Central America 837
new taxa 837
Eragrostis tef
Arab Countries 2552
collecting missions 2552
Eragrostis tridentata
new species 840
Somalia 840
Eremopyrum *(see Agropyron)*
Erianthus
Australia 1977
collecting missions 1045, 1774
cytology 1443
gene banks 1977
India 1774
Indonesia 1045
intergeneric hybridization 1443
Erianthus bengalense, pest resistance, *Eoreuma loftini* 594
Erianthus fulvus
collecting missions 1774
India 1774
Erianthus longisetosus
collecting missions 1774
India 1774
Erianthus trinii, pest resistance, *Eoreuma loftini* 594
Erianthus* × *Saccharum, intergeneric hybridization 702
Erica amicorum
new species 919
South Africa 919
Erica cunoniensis
new species 919
South Africa 919
Erica scoparia
ornamental value 2879
UK 2879
Erica tegetiformis
new species 919
South Africa 919
Erica tetralix
endangered species 2429
soil pH 2429
toxic substances 2429
Ericaceae
evolution 2333
taxonomy 2333
Erigeron sumatrensis
herbicide resistance
germination 2132
seeds 2132
Eriobotrya japonica
centres of origin 38
China 38
taxonomy 38
Eriobotrya prinoides
China 38
taxonomy 38
Eriochloa stevensii
Ecuador 831
new species 831
Nicaragua 831
Venezuela 831
Eriophyoidea, fruit crops 714
Erucaria
Egypt 2387
numerical taxonomy 2387
Erucaria hispanica
drought resistance 2801
ecotypes 2801
Israel 2801
Erucastrum, chemotaxonomy 89
Erwinia carotovora, *Solanum tuberosum,* disease resistance 1422
Erwinia chrysanthemi
Ipomoea batatas
disease resistance 570
post harvest treatment 570
Erysimum
multivariate analysis 927
polyploidy 1674
sexual reproduction 171
Spain 1674
taxonomy 927, 1674
Erysimum baeticum
Spain 1673
taxonomy 1673
Erysimum hieraciifolium, seed treatment, germination 296
Erysimum medio-hispanicum
Spain 1673
taxonomy 1673
Erysimum popovii
Spain 1673
taxonomy 1673
Erysiphe cichoracearum
Helianthus, disease resistance 1348
Nicotiana, disease resistance 1445, 2865
Nicotiana tabacum, disease resistance 2865
Erysiphe graminis
Agropyron, disease resistance 540
Elymus, disease resistance 540
Elymus × *Triticum,* disease resistance 637
Hordeum, disease resistance 540
Hordeum bulbosum
disease resistance 650
genetics 650
Hordeum spontaneum
disease resistance 2786
genetics 2786
Hordeum vulgare
disease resistance 522, 650, 2789
genetics 650
Leymus, disease resistance 540
Triticum aestivum, gene location 642
Erysiphe polygoni
Vigna radiata, disease resistance 2829
Vigna unguiculata, disease resistance 1301
Erythrina
distribution 127
keys 127
South Africa 127
taxonomy 127
Erythrina caffra
distribution 127
keys 127
South Africa 127
taxonomy 127
Erythrina stricta
Indochina 1586
taxonomy 1586
Thailand 1586
Erythrochiton
Latin America 1623
taxonomy 1623

Eschscholzia minutiflora
new taxa 114
polyploidy 114
taxonomy 114
USA 114
Eschweilera pseudodecolorans
Brazil 1625
new species 1625
Essential oils
Cymbopogon martinii 608
Leonotis leonurus 2877
Mentha caucasica 707
Mentha haplocalyx 707
Mentha incana 707
Mentha royleana 707
Mentha sachalinensis 707
Tithonia diversifolia 2129
Esterases
Allium 2837
Allium senescens 2837
Allium tuberosum 2837
Petunia axillaris, genetics 1373
Petunia hybrida, genetics 1373
Petunia inflata, genetics 1373
Petunia violacea, genetics 1373
Estonia
Galega orientalis 2927
grasslands 226
Vaccinium 2949
Vaccinium corymbosum 2949
Vaccinium macrocarpon 2949
Vaccinium oxycoccus 2949
Vaccinium uliginosum 2949
Vaccinium vitis-idaea 2949
Ethiopia 757
Aloe gilbertii 881
Avena sterilis 2007
Coffea arabica 2289
Ficus 869
fodder legumes 757
forest trees 2991
forests 2991
gene banks 1958
genetic erosion 780
grain legumes 757
Hordeum vulgare 455
indigenous knowledge 1817
Juniperus procera 1364
resource management 780
seed banks 1817
Triticum aestivum 624, 640, 1461
Triticum durum 624, 640, 2777, 2781
Ethnobotany 242
Acacia nilotica 1835
Acalypha arvensis 251
Adhatoda vasica 1835
Allium carolinianum 2564
Allium humile 2564
Allium rubellum 2564
Allium wallichii 2564
Alyssum saxatile 1833
Amazonia 238
antifungal plants, books 2979
Asia 238
Azadirachta indica 2619
Banisteriopsis caapi 2602
Bignoniaceae 249
Brazil 1818
Brugmansia suaveolens 2602
Brunfelsia grandiflora 2602
Cassia alata 251
Cleome gynandra 244
crops 1820-1823
Cuba 1816
Cymbopogon citratus 251
Cyperus 2602
Dimorphandra parviflora 1829
Diplopterys cabrerana 2602
Diplotaxis tenuifolia 1833
Echinocactus platyacanthus 1086
Ehretia cymosa 2111
Ferocactus histrix 1086
Ficus 1082
flora 2343
forest trees 1842
forests 247, 1084
Heliconia stricta 2602
Herrania 2602
Heterodermia diademata 2624
Hibiscus rosa-sinensis 1835
Hypericum perfoliatum 1833
Ethnobotany *cont.*
Hypoxis 1831
Ilex guayusa 2602
India 2599
Kenya 2598
Krameria 1087
Madia sativa 1083
Maquira 2621
medicinal plants 251-255, 257, 1088, 1833-1834, 1836-1839, 2616, 2620, 2622-2623
books 733, 2979
Melampodium divaricatum 251
Momordica charantia 251
Moringa oleifera 1835
Naucleopsis 2621
networks 238
Neurolaena lobata 251
Ocimum basilicum 251
Parmelia cirrhata 2624
Peltigera polydactyla 2624
Peru 2600-2601
pesticidal plants, books 2979
Petiveria alliacea 251
Phyllanthus 1832
poisonous plants, books 2979
rain forests 2607-2609
Rubus 1828
Solanum nigrescens 251
statistics 2600-2601
Stereocaulon himalayense 2624
wild plants 245, 734-735, 1841-1842
books 2980
Ethyl methanesulfonate, *Euphorbia lagascae* 700
Eucalyptus
Australia 883
micropropagation 332, 392
taxonomy 883
Eucalyptus absita
Australia 885
new species 885
Eucalyptus alpina
Australia 1608
chemotaxonomy 1608
Eucalyptus annuliformis
Australia 885
new species 885
Eucalyptus arenacea
Australia 1608
chemotaxonomy 1608
Eucalyptus argutifolia
Australia 885
new species 885
Eucalyptus balanites
Australia 885
new species 885
Eucalyptus baxteri
Australia 1608
chemotaxonomy 1608
Eucalyptus citriodora
interspecific hybridization 1886
tissue culture, regeneration 1886
Eucalyptus creba
Australia 1078
plant communities 1078
plant succession 1078
Eucalyptus desmondensis
Australia 883
taxonomy 883
Eucalyptus ficifolia, micropropagation 410
Eucalyptus gardineri
Australia 883
taxonomy 883
Eucalyptus grandis, tissue culture, regeneration 390, 1887
Eucalyptus gunnii, tissue culture, regeneration 1156
Eucalyptus ordiana
Australia 884
new species 884
Eucalyptus perriniana
ornamental value 2879
UK 2879
Eucalyptus radiata, tissue culture, regeneration 391
Eucalyptus redunca
Australia 883
taxonomy 883
Eucalyptus sideroxylon, tissue culture, regeneration 1885
Eucalyptus tereticornis
clones, sustainability 2960
India 2960
Eucalyptus torelliana
interspecific hybridization 1886
tissue culture, regeneration 1886
Eucalyptus wandoo
Australia 883
taxonomy 883
Euchlaena *(see Zea)*
Eucryphia, taxonomy 100
Eugenia *(see Syzygium)*
Euphorbia calyptrata, medicinal properties 2887
Euphorbia lagascae
ethyl methanesulfonate 700
induced mutations
seeds 700
shedding 700
Euphorbia monteiroi
Southern Africa 2466
taxonomy 2466
Euphorbia peploides
Egypt 605
molluscicidal properties 605
Euphoria *(see Dimocarpus)*
Europe
Allium 2145
Allium ascalonicum 2145
Allium cepa 2145
Bromus tectorum 63
conservation 2275
flora 2533
genetic resources 1502
grasslands 2988
Krameria 1087
Leonotis leonurus 2877
Orchidaceae 1538-1539
Panicum miliaceum 828
Plantago 2740
Plantago media 957
quarantine 2965
wild plants 1541-1542, 2308-2309
European Communities Commission, organizations 1524
European Community, quarantine 711
Eurystyles
keys 1691
taxonomy 1691
Eurystyles bertonii
keys 1691
taxonomy 1691
Eurystyles cornu-bovis
Costa Rica 1691
new species 1691
Panama 1691
Euterpe luminosa
new species 1617
Peru 1617
Evaluation 757, 2770
(*see also* Variety trials)
Actinidia 83
Actinidia deliciosa 83
Aegilops 1242
Aegilops sharonensis 1242
Aegilops squarrosa 1242
Aegilops × *Triticum* 2154
Aegle marmelos 2852
Amaranthus caudatus 1235, 2031
Amaranthus cruentus 2031
Amaranthus hypochondriacus 1235
Arachis hypogaea 2862
Avena sativa 1253, 2008
Bauhinia 2821
Beckmannia syzigachne 2809
Brachyglottis compacta 538
Brachypodium 2033
Brassica 174
Brassica campestris 2854
Brassica juncea 2854
Brassica napus 2854
Cajanus cajan 1286, 1585
Camellia sinensis 2107
Canavalia 2821
Canavalia gladiata 1286
Cassia marilandica 2818
Cicer arietinum 559-560, 1297-1298, 2046-2047, 2061
Cicer bijugum 559
Cicer cuneatum 559
Cicer echinospermum 559

Cicer judaicum 559
Cicer pinnatifidum 559
Cicer reticulatum 559
Cicer yamashitae 559
Cleome gynandra 2075
Cocos nucifera 2857
collections 495
Colliguaja integerrima
oils 2112
seeds 2112
Colocasia esculenta 2071
Crataegus laevigata 2088
crops 1233
Cucumis sativus 1437
Cucurbita pepo 2085
Dactylis 174, 2033
Dioscorea alata 1313
Dioscorea deltoidea 571
Dioscorea esculenta 1313
Echinochloa crus-galli 2018
Elaeis guineensis 1043
Eleusine coracana 1235
Elymus 2033
Entada phaseoloides 1286
Fagopyrum cymosum 1235
Fagopyrum esculentum 1235, 1268, 2799-2800
Fagopyrum tataricum 1235, 2800
fodder legumes 1270, 1272-1273
Fortunella polyandra 1343
genetic diversity 1514
genetic resources 1231
germplasm 1232
Glycine gracilis 2048
Glycine max 548, 1286
Glycine soja 2048
grain legumes 1287, 2046, 2175
grasses 1035
Helianthus tuberosus, forage 2835
Hordeum 2005, 2033
Hordeum spontaneum 2787
Hordeum vulgare 1235, 1994, 2002-2004, 2787
Hordeum × *Triticum* 2154
Juglans regia 1344, 2853
Juniperus procera 1364
Kochia scoparia 1269, 2032
Lablab purpureus 1286
Lathyrus sativus 545
Lens culinaris 2047, 2057
Leymus 2033
Lolium 174
Lolium perenne 1276
Lolium × *Triticum* 2154
Lonicera 1340
Lonicera nigra 2115
Lonicera xylosteum 2115
Magnolia biondii 1365
Medicago 1273, 1282
Medicago laciniata 2812
Medicago minima 2812
Medicago polymorpha 2812
Medicago truncatula 2812
Mucuna 2821
Mucuna pruriens 1286
Onobrychis 2045
Onobrychis arenaria 2045
Onobrychis transcaucasica 2045
Onobrychis viciifolia 2045
Oryza, genetics 2027
Oryza brachyantha, seeds 2026
Oryza breviligulata, seeds 2026
Oryza glaberrima, genetics 2027
Oryza latifolia 1263
Oryza longistaminata, seeds 2026
Oryza punctata, seeds 2026
Oryza rufipogon 1263
Oryza sativa 528, 533, 1264, 1266, 2796
genetics 2027
seeds 2025
Panicum miliaceum 2018-2019
Phaseolus 174
Phaseolus lunatus 1286
Phaseolus vulgaris 1286, 2053-2055
Phleum 2033
Pisum sativum 174, 1745, 2046, 2827
Pleurotus cystidiosus 609
Pleurotus eryngii 609
Pleurotus ostreatus 609
Pleurotus pulmonarius 609
Poa 2033
Prunus armeniaca 2847
Prunus persica 2288
Psathyrostachys 2033
Psophocarpus tetragonolobus 1286
Pyrus 11
Pyrus betulifolia 11
Pyrus calleryana 11
Pyrus ussuriensis 11
Rubus caesius 1334
Rubus chingii 2089
Sapium sebiferum 2875
Secale cereale, germplasm 653
Secale × *Triticum* 2154
Sesamum indicum 2105
Setaria italica 2018
Solanum melongena 463
Solanum tuberosum 463
Telfairia occidentalis
plant composition 2086
seeds 2086
Terminalia catappa 1362
Theobroma cacao 14
Trifolium alexandrinum 544
Trifolium medium 2814
Trifolium pratense 2814, 2816
Trifolium repens 2817
Trifolium resupinatum 2041
Trifolium subterraneum 2042
Trigonella foenum-graecum 2044
triticale 1255, 2009
Triticeae 7
Triticum 1242
Triticum aestivum 517, 1240, 1242, 1994, 1996, 2785
Triticum boeoticum 1242
Triticum dicoccum 515
Triticum durum 511, 514, 517, 1236, 1241-1243, 1246, 1995, 1997, 2774, 2782
Triticum urartu 1242
Vicia 1273
Vicia faba 555, 1287, 2046-2047
Vigna 2821
Vigna lanceolata 676
Vigna mungo 567
Vigna radiata 567, 676, 1286, 1305, 2375
Vigna umbellata 1286
Vigna unguiculata 181, 1286
Vigna vexillata 567, 676
Zea mays 174, 2014, 2791-2792
Zingiber officinale 2131
Evolution 34, 137
Abies alba 39
Abies borisii-regis 39
Abies bornmuelleriana 39
Abies cephalonica 39
Abies equi-trojani 39
Aegilops
chloroplast genetics 450
mitochondrial genetics 1180
molecular genetics 1913
restriction fragment length polymorphism 1180
Aegilops comosa, molecular genetics 1914
Aegilops crassa 972
Aegilops squarrosa 972
Aegilops umbellulata, molecular genetics 1914
Akebia pentaphylla 2491
Allium 1717
Allium kurrat 2330
Allium porrum 2330
Allium sativum 2330
Anacardiaceae 984
angiosperms, books 737
Astragalus, chloroplast genetics 1929
Beta 1562
DNA probes 475
restriction fragment length polymorphism 475
Beta vulgaris
molecular genetics 1201
restriction fragment length polymorphism 1947
Bismarckia 2335
Brassica 1347
Brassica campestris, restriction fragment length polymorphism 1944
Evolution *cont.*
Brassica montana, restriction fragment length polymorphism 1944
Brassica napus, restriction fragment length polymorphism 1944
Brassica oleracea, restriction fragment length polymorphism 1944
Bromus 1710
Buxus 2338
Cajanus cajan 1560
Camellia sinensis 1563
Cephalaria tatarica, isoenzymes 1723
chloroplast genetics 1177
chromosome number 2483
Cicer arietinum 1560, 2059
Cicer reticulatum 2059
Clarkia concinna 163
Coccothrinax 2335
Cocos nucifera 2492
crops, reviews 2325
Crotalaria
chromosome number 596
polyploidy 596
Cryptomeria japonica, chloroplast genetics 2734
Cucumis 978, 1718
Cucumis melo 2504
Cucurbita, chloroplast genetics 470
Dactylis 814
Dasypyrum, molecular genetics 1913
Dioon, restriction fragment length polymorphism 2732
Dioscorea, chloroplast genetics 2720
Dipogon, chloroplast genetics 2716
Dipsacus, isoenzymes 1723
endangered species 2326
Ericaceae 2333
ferns, polyploidy 2496
flora 1057
forest trees 2493
Garcinia hombroniana 979
Garcinia malaccensis 979
Garcinia mangostana 979
Gibasis consobrina, molecular genetics 494
Gibasis karwinskyana, molecular genetics 494
Glycine clandestina, random amplified polymorphic DNA 461
Glycine max, random amplified polymorphic DNA 461
Glycine soja, random amplified polymorphic DNA 461
Glycine tomentella, random amplified polymorphic DNA 461
Glycyrrhiza 2340
Gossypium 981
Gossypium barbadense 1357
Gossypium hirsutum 1357
Gossypium raimondii 1357
Gossypium thurberi 1357
Gossypium trilobum 1357
grasses 724
chloroplast genetics 1927
Guihaia 2335
Helianthus 816, 2497
restriction fragment length polymorphism 1199
Hordeum brevisubulatum, molecular genetics 2710
Hordeum chilense, molecular genetics 2710
Hordeum murinum, molecular genetics 2710
Hordeum vulgare, molecular genetics 455, 1913
Ipomoea batatas 976
Iris 2497
Jasminium 1726
Knautia arvensis, isoenzymes 1723
Lauraceae 93
legumes 724
Lens culinaris 1560
Livistona 2335
Lotus 1714
Lotus corniculatus 35
Lycopersicon esculentum, photosynthesis 977
Macroptilium, chloroplast genetics 2716
Malus, books 1490
Medicago lesinii 1711

Evolution *cont.*
Medicago murex 1711
Melilotus 1713
Mentha 1725
Meristotropis 2340
Milium effusum 138
Milium montianum 138, 975
Milium vernale 138
molecular genetics 2705
Musa, restriction fragment length polymorphism 471
Nicotiana 817
nomenclature 33
Nothofagus 986
Nyssa 2339
Orchidaceae 987, 1724
Ornithogalum 1566
Ornithogalum algeriense 1566
Ornithogalum umbellatum 1566
Oryza 1559
chloroplast genetics 1926
mitochondrial genetics 1926
Oryza meridionalis 1559
Oryza rufipogon 1559
Oxyrhynchus, chloroplast genetics 2716
Pellaea glabella, chloroplast genetics 2744
Pennisetum, molecular genetics 1923
Peperomia berteroana 818
Peperomia fernandeziana 818
Peperomia margaritifera 818
Peperomia skottsbergii 818
Phaseolus, chloroplast genetics 2716
Phaseolus lunatus 2329
Phaseolus vulgaris, restriction fragment length polymorphism 462
Phoenix 2335
Pinus 2336, 2495
Pinus densiflora, chloroplast genetics 2729
Pinus sylvestris, chloroplast genetics 2729
Poa labradorica 1709
polyploidy 967
Psathyrostachys, molecular genetics 1913
rain forests 2332
Ramirezella, chloroplast genetics 2716
Rosaceae 2334
Rubiaceae
fruits 1719
seed dispersal 1719
Salix, chloroplast genetics 140
Scabiosa columbaria, isoenzymes 1723
Secale cereale 969
Sedum 820
Senecio 2497
Senecio squalidus, molecular genetics 1210
Senecio vernalis, molecular genetics 1210
Senecio vulgaris, molecular genetics 1210
Solanaceae
chloroplast genetics 1178
restriction fragment length polymorphism 1178
Solanum
tuberous species 1589
endosperm 36
seeds 36
Solanum tuberosum 815, 1589
Spartina 2497
Strophostyles, chloroplast genetics 2716
Succisa pratensis, isoenzymes 1723
Ticodendron incognitum 1722
Tragopogon 2497
Trifolium repens 1712
Tripsacum 1707
Triticeae, restriction fragment length polymorphism 2711
Triticum 971, 1706
mitochondrial genetics 1180
molecular genetics 1913-1914
restriction fragment length polymorphism 1180
Triticum abyssinicum 970
Triticum aestivum 969, 2327-2328
chloroplast genetics 450
molecular genetics 2710
Triticum durum 970
Triticum monococcum 1706

Evolution *cont.*
Triticum persicum 970
Triticum polonicum 970
Triticum timopheevii 1706
Triticum turanicum 970
Triticum turgidum 970, 1706
Triticum urartu 1706
Triticum zhukovskyi 1706
Vigna, chloroplast genetics 2716
Vigna glabrescens 1715
Vigna mungo 1560, 1715
Vigna radiata 1560, 1715
Vigna umbellata 1715
weeds 1727
Zea 1707-1708
molecular genetics 2714
Zea mays 1707-1708
molecular genetics 2714
Exarata chocoensis
Colombia 907
Ecuador 907
new taxa 907
Exchange, *Solanum tuberosum*, tissue culture 1869
Fagopyrum
centres of origin 812
China 812
collecting missions 812
Fagopyrum cymosum
evaluation 1235
gene banks 2256
genetic resources 2256, 2258-2259
India 2258-2259
interspecific hybridization 2535
Japan 2256
landraces 1235
Nepal 1235, 2259
pollen germination 2535
Fagopyrum esculentum
China 1268, 2255
conservation 2283
evaluation 1235, 1268, 2799-2800
fruits 2924
gene banks 2256
genetic resources 2255-2259
India 2258-2259
interspecific hybridization 2535, 2924
Japan 2256
Korea Democratic People's Republic 2257
Korea Republic 2799
landraces 1235, 2799-2800
Nepal 1235, 2259, 2800
pollen germination 2535
polyploidy 2924
utilization 2283
Fagopyrum giganteum
genetic resources 2258
India 2258
Fagopyrum leptopodum
interspecific hybridization 2535
pollen germination 2535
Fagopyrum tataricum
China 2255
evaluation 1235, 2800
fruits 2924
gene banks 2256
genetic resources 2255-2256, 2258-2259
India 2258-2259
interspecific hybridization 2924
Japan 2256
landraces 1235, 2800
Nepal 1235, 2259, 2800
polyploidy 2924
Fagopyrum urophyllum
interspecific hybridization 2535
pollen germination 2535
Fagraea gracilipes
Australia 2435
keys 2435
taxonomy 2435
Fagus, conservation, grafting 2303
Fagus sylvatica
isoenzymes 1360
recalcitrant seeds
dormancy 2656
storage 2656
tissue culture
regeneration 1154, 1158
storage 1154

Farm woodlands
in situ conservation 193
plant communities 193
UK 193
Farmers' rights, on-farm conservation 1556
Farming systems
conservation 1513
genetic diversity 1728
Fatty acids
Glycine max 550
Medicago sativa 166
Vigna unguiculata 566
Fatty oil plants, utilization 2954
Fatuoids
Avena fatua 2534
Avena nuda 2534
Avena sativa 2534
Ferns
botanical gardens 2768
Mexico 2768
ornamental value 2768, 2963
plant introduction 2963
polyploidy, evolution 2496
USA 2963
Ferocactus histrix
ethnobotany 1086
Mexico 1086
Fertility
Aegilops cylindrica, nucleocytoplasmic interaction 1399-1400
Aegilops longissima, nucleocytoplasmic interaction 1400
Aegilops squarrosa, nucleocytoplasmic interaction 1399-1400
Aegilops uniaristata, nucleocytoplasmic interaction 1400
Aegilops × *Triticum*, nucleocytoplasmic interaction 1400
Oryza rufipogon, genetics 1414
Oryza sativa, genetics 1414
Pilocarpus pennatifolius 2892
Solanum phureja 1760
Triticum aestivum, nucleocytoplasmic interaction 1399
Triticum durum, nucleocytoplasmic interaction 1399-1400
Fertilization, *Xanthosoma sagittifolium* 2539
Fertilizers (*see* Nutrients)
grasslands, plant communities 2586-2587
Festuca
cytology 542
North America 833
taxonomy 833
Festuca arundinacea
grazing 2807
Mediterranean countries 2807
palatability 2807
salt tolerance 541
seeds, air drying 264
selenium 541
USA 2807
Festuca baffinensis
North America 833
taxonomy 833
Festuca brachyphylla
North America 833
taxonomy 833
Festuca dasyclada
North America 833
taxonomy 833
Festuca herrerae
Costa Rica 831
new species 831
Panama 831
Festuca idahoensis
North America 833
taxonomy 833
Festuca rubra
chromosome banding 1277
North America 833
taxonomy 833
Festuca saximontana
North America 833
taxonomy 833
Festuca stygia
Greece 834
new species 834
Festuca talamancensis
Costa Rica 831
new species 831

Festuca* × *Vulpia
chromosome banding 1277
intergeneric hybridization 1277
***Festucopsis*,** taxonomy 2364
***Festulpia hubbardii*,** chromosome banding 1277
Fibres
Agave 2110
Dasylirion 2110
Gossypium anomalum 595
Gossypium arboreum 595
Gossypium barbadense 595
Gossypium barbosanum 595
Gossypium herbaceum 595
Gossypium hirsutum 595
Gossypium raimondii 595
Hesperaloe 2110
Nolina 2110
Yucca 2110
Ficus
Africa 1013
disease resistance, *Cerotelium fici* 1339
distribution 869
Djibouti 869
Ethiopia 869
ethnobotany 1082
India 1339
sexual reproduction 1013
Somalia 869
taxonomy 869
West Africa 1082
Ficus auriculata
disease resistance, *Cerotelium fici* 1339
India 1339
Ficus carica
genetic resources 588
Italy 588
Ficus natalensis
interspecific hybridization 1014
pollination 1014
Ficus thonningii
interspecific hybridization 1014
pollination 1014
Fiji, *Oryza sativa* 2025
Filago desertorum
Israel 287
seeds
germination 287
water balance 287
Filipendula auriculata
colour 2449
Japan 2449
new taxa 2449
taxonomy 2449
Filipendula rubra
genetic variation
isoenzymes 995
seed production 995
USA 995
Fimbristylis bisumbellata
chromosome number 1383
India 1383
Fimbristylis dichotoma
chromosome number 1383
India 1383
Fimbristylis falcata
chromosome number 1383
India 1383
Fimbristylis ferruginea
chromosome number 1383
India 1383
Fimbristylis miliacea
chromosome number 1383
India 1383
Fimbristylis monostacha
chromosome number 1383
India 1383
Fimbristylis polytrichoides
chromosome number 1383
India 1383
Fimbristylis quinquangularis
chromosome number 1383
India 1383
Finance, conservation 2316
Finland
Carex bergrothii 1577
Carex flava 1577
Carex jemtlandica 1577
Carex kotilaini 1577
Carex viridula 1577
crops 1963
Finland *cont.*
flora 41
Fire resistance
Cenchrus ciliaris, seeds 281
Enneapogon cenchroides, seeds 281
Eragrostis rigidor, seeds 281
Panicum maximum, seeds 281
Setaria verticillata, seeds 281
Tragus berteronianus, seeds 281
Urochloa trichopus, seeds 281
Fires, woodlands, plant succession 1077
***Flaveria chloraefolia*,** tissue culture, regeneration 417
***Flaveria cronquistii*,** tissue culture, regeneration 417
***Flaveria pubescens*,** tissue culture, regeneration 417
***Flaveria trinervia*,** tissue culture, regeneration 437
Flavonoids
Artemisia annua, cell culture 2737
Sophora flavescens, tissue culture 1955
Flemingia kradungensis
new species 1586
Thailand 1586
Flemingia macrophylla
Indochina 1586
taxonomy 1586
Thailand 1586
Flemingia tiliacea
new species 1586
Thailand 1586
Flora
botanical gardens 2745
checklists 1057, 2343
collecting missions 775
conservation 1508, 2266
policy 1543
distribution 41, 1057, 2343
diversity 1057
endangered species 2266
ethnobotany 2343
Europe 2533
evolution 1057
Finland 41
gene banks 2745
genetic resources 775
Germany 1783
glossaries 239
Greece 2424
India 2266
Italy 2344
Mexico 2577
Namibia 239
nature reserves 41
China 194
plant communities 194
surveys 194
Oman 237
plant communities 237, 1783, 2577
Reunion 1508, 1543
sexual reproduction 2533
Singapore 736
surveys 2344, 2424
Swaziland 775
Taiwan 1570
Tanzania 1057
taxonomy 1570
Ukraine 2745
Yemen 2343
Flowering
Avena fatua 2534
Avena nuda 2534
Avena sativa 2534
Beta atriplicifolia, genetics 2106
Beta macrocarpa, genetics 2106
Beta maritima, genetics 2106
Beta patula, genetics 2106
Beta vulgaris, genetics 2106
Juglans regia 1344
Lolium perenne, tissue culture 338
Prunus cerasus 2848
Prunus mahaleb 2541
Prunus spinosa 2541
Tulipa 601
Xanthosoma sagittifolium 2539
tissue culture, regeneration 357
Flowers
Cyphomandra 1764
Cyphomandra betacea 1764
Cyphomandropsis 1764
Flowers *cont.*
Ipomopsis aggregata 1024
Phyllanthus emblica 1763
Prunus dulcis 2100
Fodder legumes
Algeria 756
breeding 1415, 2169-2170
conservation 791
Developing Countries 1272
Ethiopia 757
evaluation 1270, 1272-1273
gene banks 762
genetic resources 755-764, 767, 1271, 1483
history 1415
India 758
Iran 759
Iraq 767
Mediterranean countries 755, 764, 1483
Morocco 760
Pakistan 761
seed treatment, germination 2815
Sudan 1270
Sweden 1415
Tunisia 1271
Turkey 762
West Asia 755, 1273
Yemen 763
Fodder plants
Africa 2667
Bolivia 2557
books 2242
collecting missions 177, 1034, 2557
gene pools 6
genetic erosion 177
genetic resources 6, 754
in vitro culture, conservation 2667
India 2284
Italy 177
landraces 177
Morocco 1034
on-farm conservation 2284
South Africa 2242
sustainability 2284
tissue culture 1865
UK 754
Food and Agriculture Organization, organizations 1500
Forage
Echinochloa crus-galli 2018
Helianthus tuberosus, evaluation 2835
Panicum miliaceum 2018
Setaria italica 2018
Forage legumes (*see* Fodder legumes)
Forest trees
Argentina 2764
Australia 15, 192, 2207, 2525
Canada 982
Chad 773
checklists 248, 2390
conservation 792, 1530, 1749, 2292
Costa Rica 1567
distribution, books 2991
Djibouti 2991
economics, minor forest products 2207
ecotypes 1530
endangered species 15, 192, 1749
environmental degradation 773
Ethiopia 2991
ethnobotany 1842
evolution 2493
gene banks 2764
genetic markers 2493
genetic resources 773, 792
genetic variation 2527
isoenzymes 2525-2526
terpenoids 2528
Germany 1155
in situ conservation 2573-2574
India 1842, 2657
isoenzymes 1750
Japan 2390
keys 1567
molecular genetics, breeding 2727
nature conservation 192
nature reserves 1071
nomenclature 248
palaeoecology 982
plant communities 1071
population genetics 1530, 1749-1750, 2975

Forest trees *cont.*
seed treatment 2657
Somalia 2991
South Africa 248
surveys 2390
taxonomy 1567
books 2991
Thailand 792
tissue culture 1155
regeneration 2681
storage 2681
Tropics 1749, 2526
UK 2292
Zaire 1071
Forests
Argentina 1810
Australia 811
Belize 23
Brazil 247
Cameroon 1054
Chile 1079
China 1074, 2323
collecting missions 1070
conservation 793-794, 797, 810, 1535, 2271, 2281, 2296-2299, 2301, 2529, 2572, 2976
books 2990
planning 2322
policy 811
Costa Rica 1076
Croatia 1075, 2578
distribution 235, 1067-1068
books 2991
diversity, plant communities 1074
Djibouti 2991
ecology 235
economics 2296-2297
endangered species 1809
environmental degradation 991, 1084, 1810
books 2990
Ethiopia 2991
ethnobotany 247, 1084
Gabon 1070
genetic diversity 991
genetic resources 771
Germany 2296-2298, 2572
Ghana 1072
in situ conservation 1053-1054
India 793, 2281, 2594, 2597, 2606, 2990
Indonesia 247
Japan 235
legislation 2324
Malaysia 2595
Mali 2611
minor forest products 1084, 2606, 2611
nature conservation 21, 23, 191
nature reserves 1072, 1779, 1782, 2595
Nepal 797, 1084
New Zealand 21, 810, 2322
Nigeria 1053
palaeoecology 983
Paraguay 2271
plant colonization 1073
plant communities 21, 23, 235, 1067-1070, 1075-1076, 1779-1780, 1782, 1809, 2578, 2593-2595, 2597
diversity 1079
plant succession 2597
policy 810, 2323
population dynamics 2529
population genetics 991, 2530
Portugal 1089
resource management 794, 2298, 2324
rural economy 2611
Sarawak 2529
socioeconomics 247
Somalia 2991
South Africa 1069, 1780, 2593
South Pacific 247
Southern Africa 1068
Spain 771
Sri Lanka 1779, 2299
surveys 2391
sustainability 793, 1535
Taiwan 2301
Tanzania 191, 1067, 1809, 2391
taxonomy, books 2991
traditional farming 1089
Ukraine 1782
USA 1073
Forests *cont.*
utilization 2976
Vanuatu 247
Venezuela 23
West Africa 247
Fortunella polyandra
China 1343
evaluation 1343
Fragaria
collecting missions 2191
gene banks 1976
USA 1976
Fragaria ananassa
breeding 2191
in vitro culture, cryopreservation 1121
inflorescences 2091
pest resistance, *Pratylenchus penetrans* 2094
photoperiodism 2091
photosynthesis 2092
sex 1761
tissue culture, regeneration 372
USA 1761, 2092
Fragaria chiloensis
breeding 2191
Chile 1773
collecting missions 1773
drought resistance 2093
inflorescences 2091
interspecific hybridization 2192
pest resistance, *Pratylenchus penetrans* 2094
photoperiodism 2091
photosynthesis 2092
salt tolerance 2192
USA 2092
Fragaria daltoniana
chromosome morphology 1336
chromosome number 1336
Fragaria nubicola
chromosome morphology 1336
chromosome number 1336
Fragaria vesca
collecting missions 1039
gene banks 1039
USA 1039
Fragaria virginiana
breeding 2191
collecting missions 1039
drought resistance 2093
gene banks 1039
inflorescences 2091
pest resistance, *Pratylenchus penetrans* 2094
photoperiodism 2091
photosynthesis 2092
sex 1761
USA 1039, 1761, 2092
France
Beta vulgaris 1947
Brassica napus
Hirschfeldia incana 1911
rape 1911
Carex curvula 1808
Cichorium 1939
Cichorium intybus 1939
educational institutions 2137
Hordeum vulgare 2141
Lolium perenne 1276, 2806
Lotus corniculatus 35
Lupinus albus 667
networks 2137
Rubus bloxamii 867
Setaria italica 1911, 1921
Setaria verticillata 1921
Setaria viridis 1911
Triticum aestivum 2141
Fraxinus excelsior
embryo culture, regeneration 395
tissue culture, regeneration 1159
Fraxinus ornus
embryo culture, regeneration 1856
seeds, dormancy 1856
French Guiana, *Anacardium amapaënse* 1603
French Polynesia, *Gardenia tahitensis* 2878
Frost resistance (*see* Cold resistance)
Fructans, *Avena* 2790
Fruit crops
Acari 714
China 1596, 1772
Fruit crops *cont.*
collecting missions 175
databases 2846
Eriophyoidea 714
genetic markers 1941
genetic resources 2252
in vitro culture
conservation 1877
cryopreservation 1877
India 175, 714, 2252
quarantine 714
surveys 1772
taxonomy 1596
Fruits
Cajanus, domestication 139
Chaenomeles speciosa 2087
Cocos nucifera 2492
Cyphomandra 1764
Cyphomandra betacea 1764
Cyphomandropsis 1764
Fagopyrum esculentum 2924
Fagopyrum tataricum 2924
Glycine, domestication 139
grain legumes, domestication 139
Lycopersicon chmielewskii, development 2078
Lycopersicon esculentum 2841
Lycopersicon peruvianum 2841
Macleania rupestris 2850
Macrotyloma, domestication 139
Maloideae, taxonomy 80
Malus, taxonomy 80
Rubiaceae, evolution 1719
Sorbus, taxonomy 80
Xanthosoma sagittifolium 2539
Fuelwood, woody plants 1080
Fungi
Carthamus tinctorius, seeds 1472
Hordeum bogdani 712
Hordeum brachyantherum 712
Hordeum brevisubulatum 712
Hordeum bulbosum 712
Hordeum chilense 712
Hordeum comosum 712
Hordeum jubatum 712
Hordeum marinum 712
Hordeum murinum 712
Hordeum stenostachys 712
Hordeum vulgare, disease resistance 522
Pennisetum glaucum, disease resistance 2020
seed testing 1455
seeds 1454
Fusarium (*see also Gibberella*)
Cicer arietinum, seed treatment 713
Fusarium oxysporum
Cicer arietinum, disease resistance 1299
Citrullus lanatus, disease resistance 581
Ipomoea batatas, disease resistance 1311
Lycopersicon cheesmanii, disease resistance 2081
Lycopersicon chilense, disease resistance 2081
Lycopersicon hirsutum 1317
disease resistance 2081
Lycopersicon peruvianum 1317
disease resistance 2081
Lycopersicon pimpinellifolium 1317
disease resistance 2081
Narcissus, disease resistance 1374
Fusarium solani
Ipomoea batatas
disease resistance 570
post harvest treatment 570
Fusicladium (*see also Venturia*)
Gabon, forests 1070
Galeandra, tissue culture, regeneration 426
Galega orientalis
breeding 2927
Estonia 2927
landraces 2927
Galinsoga parviflora, seeds, germination 1119
Galium aparine, seeds, germination 1119
Galium spurium
ecotypes 2664
seasonal growth 2664
seeds
dormancy 2664
germination 2664
storage 2664

Gamma radiation
Averrhoa carambola 716
Solanum brevidens 2180
Solanum tuberosum 2180
Garcinia hombroniana
evolution 979
South East Asia 979
taxonomy 979
Garcinia malaccensis
evolution 979
South East Asia 979
taxonomy 979
Garcinia mangostana
evolution 979
South East Asia 979
taxonomy 979
Gardenia tahitensis
French Polynesia 2878
medicinal properties 2878
plant composition 2878
Gene banks 496, 1228, 1499, 2747
Aegilops 1215
databases 504
Aegilops comosa 2758
algae 1227
Amaryllidaceae 1980
Arabidopsis thaliana 1211, 2750-2752
genetic resources 4
Arachis, catalogues 502
Arachis hypogaea 2756
catalogues 2104
Asparagus officinalis 2761
Azolla 1227
biotechnology 444
Cajanus cajan 500, 2756
Canada 1961
Cannabis 1225
cereals 497
Cicer arietinum 1220, 2646, 2756
Cocos nucifera 1224
computer software 2748
crops 1213-1214, 1963, 1966, 2745, 2754
databases 1229
Disa uniflora, seeds 1117
Erianthus 1977
Ethiopia 1958
Fagopyrum cymosum 2256
Fagopyrum esculentum 2256
Fagopyrum tataricum 2256
flora 2745
fodder legumes 762
forest trees 2764
Fragaria 1976
Fragaria vesca 1039
Fragaria virginiana 1039
genetic resources 17, 611, 790, 1498
Glycine 499
Glycine max 548, 1219
Glycine soja 1219
grain legumes 762
green manures 1227
Helianthus 770
history 2746
Hordeum bogdani 712
Hordeum brachyantherum 712
Hordeum brevisubulatum 712
Hordeum bulbosum 712
Hordeum chilense 712
Hordeum comosum 712
Hordeum jubatum 712
Hordeum marinum 712
Hordeum murinum 712
Hordeum stenostachys 712
in vitro culture 1120
Jessenia 1223
Juglans regia 1222
legislation 802
Leguminosae 1227
Mentha 1981
molecular genetics 2704
Musa 501, 612
networks 2136
books 739
Oenocarpus 1223
on-farm conservation 1958
ornamental plants 1212
Oryza sativa 1213, 1217-1218, 1966, 1970-1973
Pennisetum glaucum 2756
Pisum sativum 497
policy 1552
Gene banks *cont.*
Prosopis 2765
Prosopis chilensis 2765
Prosopis dilensis 2765
Prunus persica 2761
Prunus salicina 2761
Rhododendron 1979
Russia 1959
Saccharum 1977
Sicana 2379
Solanum, tuberous species 2759
Solanum tuberosum 1221, 1308, 2759-2760
Sorghum bicolor 1216, 2756
sustainability 1958
Sweden 1960
Theobroma cacao 14
tissue culture 329
Triticum, databases 504
Triticum durum 1243, 1964, 2757
UK 1552
USA 1961
vegetables 1212
Vigna 180, 182
Vigna lanceolata 676
Vigna radiata 676
Vigna unguiculata 180, 182
Vigna vexillata 676
Zea mays 498, 1969
Gene expression
Hyoscyamus niger, hyoscyamine 6β-hydroxylase 1956
Lycopersicon, salt tolerance 2842
Lycopersicon chilense, drought resistance 1940
Lycopersicon peruvianum, proteinase inhibitors 2706
Solanum brevidens 465
Solanum tuberosum 465
Gene flow
Chenopodium berlandieri 2357
Chenopodium quinoa 2357
Cichorium 1939
Cichorium intybus 1939
Coronilla emerus 493
Helianthus annuus 153
Helianthus petiolaris 153
Ipomopsis aggregata 161, 1008
Lespedeza capitata 1002
Lespedeza leptostachya 1002
Limnanthes floccosa 1748
Lotus corniculatus 2518
Microseris bigelovii 1009
Setaria italica 1911, 1921
Setaria verticillata 1921
Setaria viridis 1911
Silene uniflora 493
Trifolium stoloniferum 1001
Gene location
Elymus × *Triticum*, wheat streak mosaic rymovirus 2155
Solanum spegazzinii, Globodera rostochiensis 1934
Solanum tuberosum, Globodera rostochiensis 1934
Triticum aestivum, Erysiphe graminis 642
Triticum monococcum, gliadin 518
Zea, glumes 2159
Zea mays, glumes 2159
Gene mapping
Aegilops squarrosa 619
Brassica 2726
Hordeum marinum 1917
Secale cereale 619
Triticeae, conferences 1482
Triticum aestivum 619
Gene pools
fodder plants 6
Hordeum 6
Secale 6
triticale 6
Triticum 6
Genes (*see* Genetics)
Genetic distance
Chionachne, Zea, isoenzymes 1993
Coix, Zea, isoenzymes 1993
Gossypium barbadense 155
Gossypium hirsutum 155
Morchella 134
Morchella angusticeps 134
Genetic distance *cont.*
Morchella conica 134
Morchella crassipes 134
Morchella deliciosa 134
Morchella elata 134
Morchella esculenta 134
Oryza sativa 533
Vigna ambacensis 564
Vigna gracilis 564
Vigna kirkii 564
Vigna oblongifolia 564
Vigna radiata 564
Vigna unguiculata 564
Vigna vexillata 564
Vigna wittei 564
Zea mays, Zea, isoenzymes 1993
Genetic diversity
agriculture, books 2985
Castanea mollissima 1733
conservation 1514, 1728
disease resistance 1985
evaluation 1514
farming systems 1728
forests 991
Glycine max 2499-2500
Oryza sativa, amylose 1729
Phaseolus vulgaris 1731
Trifolium subterraneum, natural selection 2488
Genetic engineering (*see also* Genetic transformation; Molecular genetics)
Beta patellaris 477
Beta vulgaris 477
Hyoscyamus niger, hyoscyamine 6β-hydroxylase 1956
Genetic erosion
Coffea arabica 2289
crops 989-990
Cucumis melo 2605
economics 804
Ethiopia 780
fodder plants 177
Gossypium arboreum 91
Gossypium barbadense 91
Gossypium herbaceum 91
Gossypium hirsutum 91
Hedysarum 177
India 2281
landraces 3
Medicago 67
Medicago sativa 177
medicinal plants 254
policy 804
Solanum tuberosum 1533
subtropical fruits 20
Trifolium pratense 177
Trifolium repens 177
tropical fruits 20
Genetic markers 446, 2506
Agaricus bisporus 492
Arachis batizocoi 1200
Arachis chacoense 1200
Arachis hypogaea 1200
Elaeis guineensis 2523
Elaeis melanococca 2523
forest trees 2493
fruit crops 1941
Gossypium barbadense 1357
Gossypium hirsutum 1357
Gossypium raimondii 1357
Gossypium thurberi 1357
Gossypium trilobum 1357
in vitro culture 1389
Lycopersicon esculentum, Meloidogyne 1193
Lycopersicon peruvianum, Meloidogyne 1193
Solanum brevidens 1185
Solanum commersonii 1189
Solanum stoloniferum 1185
Solanum tuberosum 1185
Genetic resources
Acacia 1488
Aegilops 721, 1488
Africa 240, 1479
Allium 1488, 2707
Amaranthus 2260
Arabidopsis thaliana
databases 4
gene banks 4
Beta 2263

Genetic resources *cont.*
biotechnology 1500, 1904
development aid 445
breeders' rights 18, 30, 803, 1384
breeding 240, 1498
Chenopodium 2260
China 790, 1497, 2148
Cicer 2707
Cicer arietinum 9, 721, 755
Citrullus 1488
climatic change 1502
Coffea 2264
Colombia 803
conservation 1, 18, 143, 783, 788, 790, 805, 1496, 1517, 1521, 2274
books 2232
crops 5, 2251
sustainability 1504
Cuba 2, 1503
Cymbopogon jwarancusa 2707
Dactylis 814
Developing Countries 809
Dioscorea 5
diversity 142-143
economics 31, 805
endangered species 143
Enkianthus chinensis 104
Europe 1502
evaluation 1231
Fagopyrum cymosum 2256, 2258-2259
Fagopyrum esculentum 2255-2259
Fagopyrum giganteum 2258
Fagopyrum tataricum 2255-2256, 2258-2259
Ficus carica 588
flora 775
fodder legumes 755-764, 767, 1271, 1483
fodder plants 6, 754
forest trees 773, 792
forests 771
fruit crops 2252
gene banks 17, 611, 790, 1498
Germany 2
Glycine 2262
grain legumes 756-759, 761-763, 765-768, 1483
grasses 754, 1488, 2261
Helianthus 770
history 1503
Hordeum 6, 2707
books 741
Hordeum vulgare 721
Hugeria vaccinioides 104
Hyssopus officinalis 2707
in situ conservation 17, 1776
India 143, 1520
information transfer 1384
intellectual property rights 809
international cooperation 2
Kenya 1521
Latin America 1522
legislation 802, 805, 1500
Lens culinaris 721, 755
Lycopersicon 1505
Manihot esculenta 769
Medicago 1488
medicinal plants 2707
Musa 13
networks 729
networks 611, 1500
books 739
on-farm conservation 1518-1520, 1522
ornamental herbaceous plants 1507
Oryza 2707
Oryza sativa 2254
books 2987
Panicum 1488
Pennisetum 1488
pest resistance, nematoda 1230
Phoenix 1488
Pisum sativum 755
Plantago 13
networks 729
policy 29, 1547
politics 28, 31, 801, 809
Rhododendron fortunei 104
Rhododendron maculiferum 104
Rhododendron mariesii 104
Rhododendron molle 104
Rhododendron ovatum 104

Genetic resources *cont.*
Rhododendron simsii 104
Secale 6
Solanum 2707
Solanum tuberosum 10
Sorghum bicolor 752
spice plants 5
surveys 747, 1497
sustainability 783, 788, 1480, 1496, 1517-1520, 1522, 2250
books 2232
Thailand 1519
traditional farming 748
Trifolium repens 8
triticale 6
Triticeae 1391
Triticum 6, 721, 740
Triticum aestivum 721
USA 28, 611
utilization 1, 2148
Vicia faba 721, 755, 759, 766
Vigna 2707
Vigna unguiculata 728
Zea mays 751
Genetic stability (*see also* Somaclonal variation)
Genetic transformation
Atropa belladonna, hyoscyamine 6β-hydroxylase 1956
crops, biosafety 1909
Cucumis anguria 1196
Lycopersicon peruvianum 1195
Nicotiana tabacum, proteinase inhibitors 2706
Papaver somniferum, opium alkaloids 490
Solanum commersonii 1189
Solanum tuberosum 2719
Solanum vernei 2719
Taraxacum mongoliam 479
Vigna 2717
Vigna unguiculata 2717
Genetic variation 2507
Abies alba, isoenzymes 1006
Acacia colei, isoenzymes 156
Acacia cowleana, isoenzymes 156
Acacia gonoclada, isoenzymes 156
Acacia holosericea, isoenzymes 156
Acacia neurocarpa. isoenzymes 156
Achillea lanulosa, leaves 1754
Acrocomia aculeata, isoenzymes 154
Allium fistulosum, isoenzymes 1315
Ananas, isoenzymes 2849
Anthyllis montana 2519
Anthyllis vulneraria 2519
isoenzymes 2520-2521
Arachis, isoenzymes 2103
Arachis hypogaea, isoenzymes 2103
Asclepias exaltata, isoenzymes 2524
Avena byzantina, isoenzymes 2511
Avena sativa, isoenzymes 2511
Avena sterilis, isoenzymes 2007
Banksia cuneata, isoenzymes 160
Carex bigelowii, seed banks 2514, 2516
Colocasia esculenta, isoenzymes 2834
crops, isoenzymes 990
Cucumis, isoenzymes 2504
Cucumis sativus
isoenzymes 1012, 1324
multivariate analysis 1324
Elaeis guineensis, isoenzymes 2523
Elaeis melanococca, isoenzymes 2523
endangered species 1735, 2234
Filipendula rubra
isoenzymes 995
seed production 995
forest trees 2527
isoenzymes 2525-2526
terpenoids 2528
Ginkgo biloba, isoenzymes 1753
Gliricidia sepium
enzymes 2531
proteins 2531
Glycine soja, isoenzymes 149, 1744
Lens culinaris
isoenzymes 150
proteins 150
Lens nigricans
isoenzymes 150
proteins 150
Luzula parviflora, seed banks 2514-2515

Genetic variation *cont.*
Lycopersicon cheesmanii, isoenzymes 2079
Lycopersicon chilense, isoenzymes 2079
Lycopersicon chmielewskii, isoenzymes 2079
Lycopersicon esculentum, isoenzymes 2079
Lycopersicon parviflorum, isoenzymes 2079
Lycopersicon pennellii, isoenzymes 2079
Lycopersicon peruvianum, isoenzymes 2079
Lycopersicon pimpinellifolium, isoenzymes 2079
Manihot esculenta, isoenzymes 2503
Manihot glaziovii, isoenzymes 2503
Olea europea, isoenzymes 2512
Oryza rufipogon 1742
Oryza sativa 146, 1742
isoenzymes 1267
Pinus ponderosa, isoenzymes 1752
Pinus sylvestris 157
Piper methysticum, isoenzymes 1382
Piper wichmannii, isoenzymes 1382
Poa annua 996
Poa labillardieri, morphology 2513
Ribes, red currants, morphology 1747
Senecio vulgaris, isoenzymes 1746
Setaria incrassata 1741
Solanum brevidens, isoenzymes 1003
Solanum etuberosum, isoenzymes 1003
Solanum fernandezianum, isoenzymes 1003
Solanum tuberosum, isoenzymes 2502
techniques 1984
Trifolium hybridum 1001
Trifolium pratense 1001
Trifolium reflexum 1001
Trifolium stoloniferum 1001
Triticum dicoccoides
amylases 2509
gliadin 1738-1739
glutenins 1738-1739
isoenzymes 2509
Vicia faba, isoenzymes 1291
Vigna 2376
isoenzymes 2522
Vigna radiata 1302
Vigna unguiculata 2376
isoenzymes 2501, 2522
Zea mays 655
yield components 1740
Zoysia japonica
germination 997
seeds 997
Genetics
Aegilops × *Triticum*, cold resistance 2918
Allium cepa
Peronospora destructor 1430
Sclerotinia squamosa 1430
Allium roylei
Peronospora destructor 1430
Sclerotinia squamosa 1430
Beta atriplicifolia
annual habit 2106
flowering 2106
isoenzymes 2106
Beta macrocarpa
annual habit 2106
flowering 2106
isoenzymes 2106
Beta maritima
annual habit 2106
flowering 2106
isoenzymes 2106
Beta patula
annual habit 2106
flowering 2106
isoenzymes 2106
Beta vulgaris
annual habit 2106
flowering 2106
isoenzymes 2106
Brassica napus, *Leptosphaeria maculans* 1345
Capsicum annuum, *Leveillula taurica* 2946
Cephalaria tatarica, isoenzymes 1723
Citrullus colocynthis, *Colletotrichum orbiculare* 690

Genetics *cont.*
Citrullus lanatus
cold resistance 1322
Colletotrichum orbiculare 690
isoenzymes 1321
crops
disease resistance 2909
pest resistance 2909
Cucumis melo, beet pseudo-yellows virus 687
Cucumis sativus, cucumber mosaic cucumovirus 583
Dipsacus, isoenzymes 1723
Glycine, proteinase inhibitors 2822
Glycine gracilis
β-amylase 553
trypsin inhibitors 553
Glycine soja
β-amylase 553
herbicides 549
metribuzin 549
trypsin inhibitors 553
Gossypium, gossypol 2959
Helianthus annuus, *Plasmopara halstedii* 697
Hordeum bulbosum, *Erysiphe graminis* 650
Hordeum spontaneum
Erysiphe graminis 2786
regeneration 647
Hordeum vulgare
aluminium 523
barley yellow mosaic bymovirus 1251
Erysiphe graminis 650
regeneration 647
toxic substances 523
Knautia arvensis, isoenzymes 1723
Lycopersicon, regenerative ability 2939
Lycopersicon esculentum, tomato spotted wilt tospovirus 1435
Lycopersicon hirsutum, tomato spotted wilt tospovirus 1435
Lycopersicon peruvianum
Meloidogyne incognita 2076
tomato spotted wilt tospovirus 1435
Manihot esculenta, isoenzymes 2833
Manihot glaziovii, isoenzymes 2833
Oryza, evaluation 2027
Oryza glaberrima, evaluation 2027
Oryza minuta
Pyricularia oryzae 2167
Xanthomonas oryzae 2167
Oryza rufipogon
fertility 1414
photoperiodism 1414
Oryza sativa
diseases 2923
evaluation 2027
fertility 1414
pests 2923
photoperiodism 1414
Pyricularia oryzae 2167
Xanthomonas oryzae 2167
Papaver somniferum, papaverine 1379
Petunia axillaris, esterases 1373
Petunia hybrida, esterases 1373
Petunia inflata, esterases 1373
Petunia violacea, esterases 1373
Prunus persica, catalase 1333
Scabiosa columbaria, isoenzymes 1723
Silene dioica, plant hairs 2126
Sorghum bicolor, amylose 2161
Succisa pratensis, isoenzymes 1723
Triticum, cold resistance 2918
Triticum aestivum
male sterility 2917
Puccinia graminis 1401
Triticum araraticum
hybrid chlorosis 510
Puccinia graminis 1401
Triticum dicoccoides, hybrid chlorosis 510
Triticum durum, *Puccinia graminis* 1397
Triticum timopheevii, hybrid chlorosis 510
Zea, glumes 2159
Zea mays, glumes 2159
Genipa americana, tissue culture, iridoids 480
Genista
chromosome number 921
Genista *cont.*
Italy 921
taxonomy 921
Genista florida, seed treatment, germination 1857
Genomes
Aegilops 824
Aegilops bicornis 644, 1249
Aegilops comosa, molecular genetics 1914
Aegilops crassa 972, 1249
Aegilops longissima 644, 1249
Aegilops peregrina 824
Aegilops searsii 644
Aegilops sharonensis 824
Aegilops speltoides 644, 1249
Aegilops squarrosa 972
Aegilops umbellulata 644
molecular genetics 1914
Aegilops variabilis 644
Aegilops × *Secale* 618
Aegilops × *Triticum* 2157, 2913
Agaricus bisporus 492
Allium 1316
Brassica 1347
Elymus 56, 1183
Elymus caespitosus 2036
Elymus elongatus 1278
Elymus farctus 1278, 2036
Elymus hispidus 2036
Elymus nodosus 2036
Elymus scabrus 2037
Glycine 72, 2825
Gossypium 981
Gossypium barbadense 1357
Gossypium hirsutum 1357
Gossypium raimondii 1357
Gossypium thurberi 1357
Gossypium trilobum 1357
Helianthus 816
Hordeum brevisubulatum 524
Hordeum bulbosum 524
Hordeum marinum 524
Hordeum murinum 524
Hordeum vulgare 524
Malus 2381
Musa 85
Oryza 1559
Oryza australiensis, molecular genetics 1924
Oryza brachyantha, molecular genetics 1924
Oryza latifolia, molecular genetics 1924
Oryza meridionalis 1559
Oryza minuta, molecular genetics 1924
Oryza nivara, molecular genetics 1924
Oryza officinalis, molecular genetics 1924
Oryza punctata, molecular genetics 1924
Oryza rufipogon 1559
molecular genetics 1924
Oryza sativa, molecular genetics 1924
Pseudoroegneria geniculata 2036
Rosaceae 2381
Secale × *Triticum* 618
Solanum tuberosum 815
Triticeae 825
Triticum 824, 1706
molecular genetics 1914
Triticum monococcum 1706
molecular genetics 1916
Triticum timopheevii 1706
Triticum turgidum 1706
Triticum urartu 824, 1706
Triticum zhukovskyi 1706
Genotype environment interaction, *Lolium perenne* 2806
Georgia
Castanea 2575
crops 2549
Hordeum vulgare 1252
ornamental plants 2766
Quercus 2575
Rosa 2766
Syringa 2766
Zelkova 2575
Geranium
China 1670
keys 1670
taxonomy 1670
Geranium canopurpureum
China 1670
new species 1670
Geranium duclouxii
China 1670
new species 1670
Geranium fargesii
China 1670
new species 1670
Geranium retectum
China 1670
new species 1670
Gerbera piloselloides, tissue culture, regeneration 1895
Gerbera viridifolia, tissue culture, regeneration 1895
Germany
Avena fatua 2534
Avena nuda 2534
Avena sativa 2534
Brassica campestris 2386
Brassica juncea 2386
Brassica napus 2386
Brassica nigra 2386
flora 1783
forest trees 1155
forests 2296-2298, 2572
genetic resources 2
grasslands 1798, 2285-2286, 2571
Institute of Plant Genetics and Crop Plant Research, organizations 2746
Larix decidua 1446
Larix kaempferi 1446
Rosa 1666
Solanum, tuberous species 2759
Solanum tuberosum 2759
Trifolium pratense 2517
woodlands 2596
Germination
Acacia karroo, seeds 2871
Acacia senegal, seed treatment 1114
Acacia tortilis, seeds 2871
Adansonia digitata, seed treatment 1859
Allium cepa
seed treatment 294
seeds 2648-2649
Apera spica-venti, seeds 1119
Arachis hypogaea
seed treatment 1112
seeds 313, 1111
Atriplex cordobensis, seeds 2634
Avena sativa, seeds 1098
Beta vulgaris, seed treatment 262
Brassica campestris, seeds 297
Brassica napus, seeds 297
Brassica oleracea
seed treatment 296
seeds 297
Caesulia axillaris, seeds 323
Calligonum polygonoides, seeds 2640
Camellia sinensis, seeds 316
Capsella bursa-pastoris, seeds 1119
Capsicum, seeds 2648
Capsicum annuum, seeds 300
Cassia, seed treatment 2642
Catharanthus roseus, seeds 2662
Cenchrus ciliaris, seed treatment 2637
Cenchrus glaucus, seeds 283
Chamomilla recutita, seeds 1119
Chenopodium album, seeds 1119
Cicer arietinum, seed treatment 713
Cistus albidus, seed treatment 321
Cistus ladanifer, seed treatment 321
Cistus laurifolius, seed treatment 321
Cistus salvifolius, seed treatment 321
Citrullus lanatus, seeds 1109, 2648
Citrus tachibana, pollen 1438
Colliguaja integerrima, seeds 2112
Colophospermum mopane, seeds 2871
Combretum apiculatum, seeds 2871
Conyza canadensis, herbicide resistance 2132
Cornus stolonifera, seeds 2658
Cucumis melo, seeds 301
Cucumis sativus, seeds 302-303
Cypripedium calceolus, seed treatment 1116
Cytisus scoparius, seed treatment 1857
Dactylis glomerata, pollen 1129
Delphinium, seeds 2659
Dimocarpus longan, seeds 2650

Germination *cont.*
Eclipta prostrata, seeds 1860
Enarthrocarpus strangulatus, seeds 287
Eragrostis lehmanniana, seeds 282
Erigeron sumatrensis, herbicide resistance 2132
Erysimum hieraciifolium, seed treatment 296
Filago desertorum, seeds 287
fodder legumes, seed treatment 2815
Galinsoga parviflora, seeds 1119
Galium aparine, seeds 1119
Galium spurium, seeds 2664
Genista florida, seed treatment 1857
Glycine max
seed testing 1105
seed treatment 275
seeds 2627, 2643
Gossypium hirsutum
seed quality 317
seed treatment 318
seeds 2654
grasses, seeds 2635-2636
Helianthus annuus, seeds 2649, 2652
Hordeum vulgare, seeds 1098, 2627
Krascheninnikovia lanata, seeds 291
Lactuca sativa, seed treatment 299
Lens culinaris, seeds 289
Lespedeza cuneata, seed treatment 290
Leucadendron xanthoconus, seed banks 1115
Litchi chinensis, seeds 2650
Lupinus, seeds 289
Malus pumila, seed treatment 304
Manihot glaziovii, seed treatment 1853
Medicago orbicularis, seed treatment 1852
Medicago rigidula, seed treatment 1852
Medicago rotata, seed treatment 1852
Medicago sativa, seed injury 288
Oryza rufipogon, seed banks 1849
Oryza sativa, seed treatment 2632
Oryzopsis hymenoides, seed treatment 285-286
Papaver nudicaule, seed treatment 1118
Paspalum guenoarum, seeds 2638
Pennisetum glaucum, seeds 276, 2654
Pennisetum polystachion, seeds 277
Penstemon parryi, seed treatment 322
Phaseolus vulgaris, seeds 2645
Phragmites karka, seeds 284
Phytolacca dodecandra, seeds 2697
Pisum sativum
seed treatment 262, 293
seeds 2648
Platanthera integrilabia, seeds 1858
Porteresia coarctata, seed treatment 1851
Quercus arizonica, seeds 2655
Quercus emoryi, seeds 2655
Reboudia pinnata, seeds 287
Schismus arabicus, seeds 287
Secale cereale, seeds 1098
seed banks 1090
Sida cordifolia, seed treatment 1854
Sorghum bicolor
seed anatomy 273
seed banks 1848
seed quality 273
seeds 272
Spergula arvensis, seeds 1119
Stellaria media, seeds 1119
Thlaspi arvense, seeds 1119
Thymophylla tephroleuca, seeds 2663
Trifolium campestre, seed treatment 1852
Trifolium stellatum, seed treatment 1852
Trifolium tomentosum, seed treatment 1852
triticale, seeds 1098
Triticum aestivum
seed moisture 265
seeds 1098, 2627, 2629
vegetables, seeds 2648
Vicia pannonica, seeds 289
Vicia sativa, seeds 289
Vicia villosa, seeds 289
Vigna unguiculata, seeds 1107
Zea mays
seed treatment 262, 269-270
seeds 271
Zizania palustris, seed treatment 1851
Germination *cont.*
Zizyphus mauritiana, seed treatment 308
Zoysia japonica, genetic variation 997
Germplasm
collections 1232
crops, databases 1385
evaluation 1232
Manihot esculenta, quarantine 2967
Pennisetum glaucum, maintenance 658
Secale cereale
evaluation 653
utilization 653
Germplasm banks (*see* Gene banks)
Germplasm releases
Helianthus 692
Lactuca sativa, herbicides 2938
Ghana
Ehretia cymosa 2111
forests 1072
tropical forests 2300
Gibasis consobrina
chromosome morphology 494
interspecific hybridization 494
molecular genetics, evolution 494
Gibasis karwinskyana
chromosome morphology 494
interspecific hybridization 494
molecular genetics, evolution 494
Gibberella zeae
Triticum aestivum
disease resistance 507, 627, 2915
seed treatment 1460
Gillbeea, taxonomy 100
Ginkgo biloba
anther culture, regeneration 2686
cell culture, ginkgolide 487
characterization 2872
China 1654, 1753
distribution, nature reserves 1654
genetic variation, isoenzymes 1753
medicinal properties 2872
Ginkgolide, *Ginkgo biloba*, cell culture 487
Gliadin
Aegilops
polymerase chain reaction 448
restriction fragment length polymorphism 448
Aegilops squarrosa, molecular genetics 519
Triticum
polymerase chain reaction 448
restriction fragment length polymorphism 448
Triticum aestivum
molecular genetics 519
seed aging 266
Triticum compactum, molecular genetics 519
Triticum dicoccoides, genetic variation 1738-1739
Triticum durum 2757
Triticum macha, molecular genetics 519
Triticum monococcum, gene location 518
Triticum spelta, molecular genetics 519
Triticum sphaerococcum, molecular genetics 519
Triticum vavilovii, molecular genetics 519
Gliricidia maculata, taxonomy 2531
Gliricidia sepium
Central America 2531
genetic variation
enzymes 2531
proteins 2531
Mexico 2531
Global warming, books 2982
Globodera, *Solanum tuberosum*, quarantine 1468
Globodera rostochiensis
Solanum spegazzinii
gene location 1934
pest resistance 1934
restriction fragment length polymorphism 1934
Solanum tuberosum
gene location 1934
pest resistance 1934
restriction fragment length polymorphism 1934
Globulins
Vigna ambacensis 564
Globulins *cont.*
Vigna gracilis 564
Vigna kirkii 564
Vigna oblongifolia 564
Vigna radiata 564
Vigna unguiculata 563-564
Vigna vexillata 564
Vigna wittei 564
Gloeosporium (*see also Colletotrichum; Elsinoe*)
Glomerella (*see also Colletotrichum*)
Glossaries, flora 239
Glucomannans, *Lilium testaceum*, tissue culture 482
Glumes
Zea
gene location 2159
genetics 2159
Zea mays
gene location 2159
genetics 2159
Gluten
Triticum boeoticum 1238
Triticum dicoccoides 1238
Triticum urartu 1238
Glutenins
Aegilops
polymerase chain reaction 448
restriction fragment length polymorphism 448
Aegilops squarrosa, molecular genetics 519
Triticum
polymerase chain reaction 448
restriction fragment length polymorphism 448
Triticum aestivum, molecular genetics 519
Triticum compactum, molecular genetics 519
Triticum dicoccoides, genetic variation 1738-1739
Triticum macha, molecular genetics 519
Triticum spelta, molecular genetics 519
Triticum sphaerococcum, molecular genetics 519
Triticum vavilovii, molecular genetics 519
Glycine
Asia 2262
Australia 2262
chromosome number 72
collections 1962
cytology 552, 1584
distribution 72
DNA 2825
domestication
fruits 139
seeds 139
gene banks 499
genetic resources 2262
genetics, proteinase inhibitors 2822
genomes 72, 2825
taxonomy 1584
USA 499
Glycine canescens, tissue culture, regeneration 351
Glycine clandestina, random amplified polymorphic DNA, evolution 461
Glycine dolichocarpa
keys 1583
Taiwan 1583
taxonomy 1583
Glycine falcata, tissue culture, regeneration 351
Glycine gracilis
China 73, 2048
distribution 73
evaluation 2048
genetics
β-amylase 553
trypsin inhibitors 553
interspecific hybridization 668
tissue culture, regeneration 351
Glycine latifolia, tissue culture, regeneration 351
Glycine max
Canada 548
China 178, 550, 1041, 1286, 1288, 1290, 2823, 2826
collecting missions 178

Glycine max *cont.*
databases 2050
disease resistance
Cercospora sojina 2051
Peronospora manshurica 2051
soybean yellow vein virus 554
drought resistance 1288
evaluation 548, 1286
fatty acids 550
gene banks 548, 1219
genetic diversity 2499-2500
growth period 1289
India 2643
interspecific hybridization 668
keys 1583
landraces 2643
multivariate analysis 2499-2500
North America 2499
oils 1041
pest resistance, *Heterodera glycines* 1288, 1290, 2823
plant introduction 178
random amplified polymorphic DNA, evolution 461
Russia 1289
seed moisture 1845
seed testing, germination 1105
seed treatment
germination 275
vigour 261
seeds
germination 2627, 2643
storage 292, 2627
sowing date 2826
Taiwan 178, 1583
taxonomy 1583
tissue culture, regeneration 351
ultraviolet radiation 2049
USA 178, 548, 1219, 2050
Glycine soja
China 73, 1041, 2048
cytoplasm 551
disease resistance, soybean mosaic potyvirus 2824
distribution 73
evaluation 2048
gene banks 1219
genetic variation, isoenzymes 149, 1744
genetics
β-amylase 553
herbicides 549
metribuzin 549
trypsin inhibitors 553
isoenzymes 547
Japan 547, 1744
Korea Republic 547
mitochondrial genetics 551
oils 1041
random amplified polymorphic DNA, evolution 461
tissue culture, regeneration 351
ultraviolet radiation 2049
USA 1219
Glycine tabacina
keys 1583
Taiwan 1583
taxonomy 1583
tissue culture, regeneration 351
Glycine tomentella
keys 1583
random amplified polymorphic DNA, evolution 461
Taiwan 1583
taxonomy 1583
tissue culture 352
regeneration 351
Glycine viridula
China 73
distribution 73
Glycine wightii, tissue culture, regeneration 1133
Glycinebetaine
Oryza 2797
Oryza sativa 2797
Glycyrrhiza
evolution 2340
taxonomy 2340
Glycyrrhiza uralensis, salt tolerance 2888
Godmania
distribution 903
keys 903
Godmania *cont.*
taxonomy 903
Gomphrena officinalis, tissue culture, regeneration 436
Gonzalagunia
keys 1649
Peru 1649
Gonzalagunia mildredae
new species 1649
Peru 1649
Gonzalagunia villosa
Ecuador 1649
new species 1649
Peru 1649
Goodyera repens
distribution 2460
ecology 2460
endangered species 2460
Ukraine 2460
Gossypioides
Africa 2265
distribution 2265
endangered species 2265
landraces 2265
Gossypium
Africa 2265
distribution 2265
endangered species 2265
evolution 981
genetics, gossypol 2959
genomes 981
landraces 2265
polyploidy 981
Gossypium anomalum
chromosome translocation 2204
fibres 595
Gossypium arboreum
breeding 705
Cameroon 91
disease resistance, *Myrothecium roridum* 1358
distribution 91
fibres 595
genetic erosion 91
incompatibility 706
India 705
interspecific hybridization 704, 706, 2959
pest resistance, Thysanoptera 2868
plant introduction 91
tissue culture 704
USA 2868
Gossypium aridum
chromosome pairing 2205
interspecific hybridization 2205
Gossypium australe
chromosome translocation 2204
interspecific hybridization 2959
Gossypium barbadense
Cameroon 91
chromosome pairing 2205
disease resistance, *Myrothecium roridum* 1358
distribution 91
domestication 980
evolution 1357
fibres 595
genetic distance 155
genetic erosion 91
genetic markers 1357
genomes 1357
India 2867
interspecific hybridization 2205
pest resistance, *Amrasca devastans* 2867
photosynthesis 980
plant introduction 91
population genetics 155
Gossypium barbosanum, fibres 595
Gossypium bickii
incompatibility 706
interspecific hybridization 706
Gossypium davidsonii
incompatibility 706
interspecific hybridization 706, 2959
Gossypium gossypioides
chromosome pairing 2205
interspecific hybridization 2205
Gossypium herbaceum
Cameroon 91
chromosome translocation 2204
disease resistance, *Myrothecium roridum* 1358
Gossypium herbaceum *cont.*
distribution 91
fibres 595
genetic erosion 91
plant introduction 91
Gossypium hirsutum
breeding 705, 2206
Cameroon 91
China 1047
chromosome addition 2204
collecting missions 1047
disease resistance, *Myrothecium roridum* 1358
distribution 91
domestication 980
drought resistance 2204
evolution 1357
fibres 595
genetic distance 155
genetic erosion 91
genetic markers 1357
genomes 1357
incompatibility 706
India 705, 2867
interspecific hybridization 704, 706
pest resistance, *Amrasca devastans* 2867
photosynthesis 980
plant introduction 91
population genetics 155
seed aging 2654
seed quality
germination 317
temperature 317
seed treatment, germination 318
seeds
Aspergillus 1474
germination 2654
storage 1474, 2654
tissue culture 704
USA 2206
Gossypium longicalyx, chromosome translocation 2204
Gossypium raimondii
breeding 705
chromosome pairing 2205
evolution 1357
fibres 595
genetic markers 1357
genomes 1357
India 705
interspecific hybridization 1357, 2205
Gossypium stockii
incompatibility 706
interspecific hybridization 706
Gossypium stocksii
breeding 705
chromosome translocation 2204
India 705
Gossypium sturtianum
chromosome translocation 2204
interspecific hybridization 2959
Gossypium sturtii
breeding 705
India 705
Gossypium thurberi
breeding 705
evolution 1357
genetic markers 1357
genomes 1357
incompatibility 706
India 705
interspecific hybridization 706, 1357, 2959
Gossypium tricuspidatum
domestication 980
photosynthesis 980
Gossypium trilobum
evolution 1357
genetic markers 1357
genomes 1357
incompatibility 706
interspecific hybridization 706
Gossypol, *Gossypium,* genetics 2959
Gourds (*see* Cucurbitaceae)
Grafting
Abies, conservation 2303
Fagus, conservation 2303
Picea, conservation 2303
Grain legumes
Algeria 756
Australia 1104

Grain legumes *cont.*
breeding 2170, 2174
China 765
collecting missions 1037, 2551
collections 768, 1287
conservation 791
domestication
fruits 139
seeds 139
Egypt 766
Ethiopia 757
evaluation 1287, 2046, 2175
gene banks 762
genetic resources 756-759, 761-763, 765-768, 1483
India 758
Iran 759
Iraq 767
Italy 2551
landraces 766
Mediterranean countries 1483
Morocco 1287
Pakistan 761
plant introduction 2175
seeds
dormancy 1104
storage 1104
Tunisia 768
Turkey 762
USA 2175
utilization 2175
Yemen 763
Graphorkis lurida, tissue culture, regeneration 426
Grasses
Australia 2803
centres of diversity 2261
chloroplast genetics, evolution 1927
collecting missions 1035
drought resistance 1796
East Africa 2261
Egypt 1488
evaluation 1035
evolution 724
genetic resources 754, 1488, 2261
plant communities 1800
seed banks 2635
seeds
dormancy 2636
germination 2635-2636
storage 2635
South America 1796
Spain 2635
stress 1796
taxonomy 724, 813
books 1489
trampling 2803
UK 754
Ukraine 1800
West Asia 724
Grasslands
Africa 243, 1807
air pollution 213
Argentina 1810, 2580-2581
Armenia 231
Austria 231
Azerbaijan 231
biodiversity 2582
burning 201, 743, 1811
Cameroon 196
Canada 1803
checklists 2589
China 210, 1061, 1066, 2585
conservation 1811, 2285-2286, 2571
books 2988
Croatia 2578
Cuba 1801
Czechoslovakia 218-219
distribution
books 2988
remote sensing 53
USA 53
diversity 144
drought resistance 2590
Eastern Europe 2988
ecology 59
Ecuador 1795
endangered species 1784, 2589
environmental degradation 210, 225, 1807, 1810
Estonia 226
Grasslands *cont.*
Europe 2988
Germany 1798, 2285-2286, 2571
grazing 210, 214, 1066
Hungary 206
in situ conservation 1052
India 207-209, 1797
Israel 144, 1786, 2583
Japan 59
Kazakhstan 223
Kuwait 217
mineral content 196
Mongolia 211
Morocco 1806
mycorrhizas 201
nature conservation 202, 220-221
nature reserves 198, 205, 212-214, 1779, 1782, 1798, 2587
Netherlands 221, 2587
New Zealand 220, 225
plant communities 198-200, 204-206, 211-215, 218-219, 221, 223-224, 226-230, 743, 1052, 1056, 1061-1065, 1779-1780, 1782, 1784, 1786-1789, 1792-1795, 1798-1799, 1801-1805, 2578, 2580-2581, 2584, 2589, 2591
books 2989
burning 220, 1058, 1060, 1785, 2592
cutting 2585
drought resistance 216
environmental degradation 217, 233
fertilizers 2586-2587
grazing 207-209, 216, 222, 231-233, 1055, 1058-1060, 1785, 1790, 1797, 2579, 2583, 2585, 2588
land use 231
nature conservation 217
plant succession 212, 226, 1056, 1066, 1792, 2581
population dynamics 230
Portugal 1062, 1089, 2586
range management 202, 243
resource management 1061, 1806-1807, 2285
Romania 204-205
Russia 224, 228-229, 231, 1784, 1802
salt tolerance 228
seed banks 197, 1791
grazing 1805
socioeconomics 243
South Africa 52, 197-198, 202, 216, 222, 233, 1058-1060, 1063-1064, 1780, 1787-1788, 1793-1794
Spain 1052, 1062, 1065, 2584, 2588, 2591
Sri Lanka 1779
Syria 1791
Tanzania 1785, 1790
taxonomy 52, 59
traditional farming 1052, 1089
Turkey 200
UK 230, 232
Ukraine 199, 212-213, 215, 1056, 1782, 1799
USA 201, 227, 234, 743, 1789, 1792, 1804-1805, 2579, 2590, 2592
Grazing
Aristida browniana 203
Enneapogon avenaceus 203
Eragrostis eriopoda 203
Festuca arundinacea 2807
grasslands 210, 214, 1066
plant communities 207-209, 216, 222, 231-233, 1055, 1058-1060, 1785, 1790, 1797, 2579, 2583, 2585, 2588
seed banks 1805
Leymus chinensis 210
Monachather paradoxa 203
Panicum laevinode 203
rain forests, plant communities 1055
Stipa nitida 203
woodlands, plant communities 1055
Greece
Abies resinosa 2494
Aegilops comosa 2758
Aegilops ventricosa 2553
Allium rhodiacum 858
Brassica campestris 1716
Cathaya bergeri 2494
Greece *cont.*
Cedrus vivariensis 2494
Crataegus ruscinonensis 865
Festuca stygia 834
flora 2424
Peridictyon sanctum 2364
Pinus 2494
Pinus halepensis 2424
Pleurotus cystidiosus 609
Pleurotus eryngii 609
Pleurotus ostreatus 609
Pleurotus pulmonarius 609
Salix xanthicola 888
Triticum durum 2781
Green manures
collections 1227
gene banks 1227
Philippines 1227
Grevillea angulata
Australia 2436
keys 2436
taxonomy 2436
Grevillea aurea
Australia 2436
keys 2436
new species 2436
Grevillea brevis
Australia 2436
keys 2436
new species 2436
Grevillea glabrescens
Australia 2436
keys 2436
new species 2436
Grevillea microcarpa
Australia 2436
keys 2436
new species 2436
Grevillea scapigera
Australia 1162
endangered species 1162
tissue culture, regeneration 1162
Grevillea wilkinsonii
Australia 2434
endangered species 2434
new species 2434
Grewia fabreguesii
Africa 2422
taxonomy 2422
Grobya galeata, tissue culture, regeneration 426
Growth (*see* Development)
Growth period
Avena sativa 1253
Glycine max 1289
Juglans regia 1344
Phaseolus vulgaris 1292
Growth regulators
Cicer arietinum 169
Cicer bijugum 169
Cicer cuneatum 169
Cicer judaicum 169
Cicer reticulatum 169
Guadua
Central America 837
taxonomy 837
Guadua angustifolia
Latin America 1701
taxonomy 1701
Guadua chacoensis
South America 132
taxonomy 132
Guadua macclurei
Central America 837
new species 837
Guatemala
Acalypha arvensis 251
Cassia alata 251
Cymbopogon citratus 251
medicinal plants 251, 1839
Melampodium divaricatum 251
Momordica charantia 251
Neurolaena lobata 251
Ocimum basilicum 251
Petiveria alliacea 251
rain forests 2269
Sechiopsis 79
Sechiopsis diptera 79
Sechiopsis distincta 79
Sechiopsis laciniatus 79
Solanum nigrescens 251

Guatemala *cont.*
Sporobolus distichivaginatus 831
Guihaia
chromosome morphology 2335
cytotaxonomy 2335
evolution 2335
Gurania
Central America 861
keys 861
taxonomy 861
Gurania sessiliflora
new species 861
Panama 861
Guyana, *Catasetum guianense* 948
Gymnaster
calyx 926
taxonomy 112-113, 926
Gymnocarpium dryopteris
keys 2341
North America 2341
origin 2341
polyploidy 2341
taxonomy 2341
Gymnospermae
distribution 2425
India 2425
Gynerium sagittatum
distribution 2366
ecotypes 2366
Peru 2366
Gynoxys chingualensis
new species 1648
South America 1648
Gynoxys hutchisonii
new species 1648
South America 1648
Gynoxys jaramilloi
new species 1648
South America 1648
Habenaria rhodocheila
Asia 118
taxonomy 118
Hairs (*see* Plant hairs)
Haiti, *Attalea crassispatha* 1618
Hakea sericea
population genetics 1005
South Africa 1005
Halimium atriplicifolium, seeds, cryopreservation 1094
Hallucinogens
Banisteriopsis caapi 2602
Brugmansia suaveolens 2602
Brunfelsia grandiflora 2602
Cyperus 2602
Diplopterys cabrerana 2602
Heliconia stricta 2602
Herrania 2602
Ilex guayusa 2602
Hammada salicornica
Israel 256
medicinal properties 256
Handbooks, *Balanites aegyptiaca,* multipurpose trees 745
Haploidy
Aegilops × *Triticum* 628
Capsicum 1436
Hordeum bulbosum 649
Hordeum vulgare 649
Solanum acaule 677
Solanum berthaultii 1933
Solanum phureja 1933
Solanum tuberosum 1428
Hard seeds, *Vigna mungo* 568
Harvest date, *Helianthus annuus,* seeds 311
Hawaii
Syzygium malaccense 1721
Vaccinium calycinum 2384
Vaccinium dentatum 2384
Vaccinium reticulatum 2384
Haworthia, taxonomy 1684
Heat production
Hordeum spontaneum 505
Triticum dicoccoides 505
Heat resistance
Acacia karroo, seeds 2871
Acacia tortilis, seeds 2871
Colophospermum mopane, seeds 2871
Combretum apiculatum, seeds 2871, 2873
Rhododendron 2208
Rhododendron impeditum 2208
Heat resistance *cont.*
Rhododendron telmateium 2208
Solanum 2183
Solanum tuberosum 2183
Heat shock, *Sorghum bicolor,* seeds 274
Heat shock proteins
Lycopersicon esculentum 683
Lycopersicon pennellii 683
Hedera helix
micropropagation 332
molluscicidal properties 606
Hedyosmum, taxonomy 1628
Hedyosmum intermedium
new species 2414
Venezuela 2414
Hedyosmum narinoense
Colombia 2414
new species 2414
Hedyosmum tepuiense
new species 2414
Venezuela 2414
Hedyosmum uniflorum
Ecuador 2414
new species 2414
Hedysarum
Algeria 69
collecting missions 177
distribution 69
genetic erosion 177
Italy 177
landraces 177
Hedysarum aculeolatum
Algeria 69
distribution 69
Hedysarum carnosum
Algeria 69
distribution 69
Hedysarum coronarium
Algeria 69
distribution 69
Hedysarum flexuosum
Algeria 69
distribution 69
Hedysarum glomeratum
Algeria 69
distribution 69
Hedysarum naudinianum
Algeria 69
distribution 69
Hedysarum pallidum
Algeria 69
distribution 69
Hedysarum perrauderianum
Algeria 69
distribution 69
Hedysarum spinosissimum
Algeria 69
distribution 69
Height
Oryza sativa 1264
Phaseolus vulgaris 1292
Sorghum bicolor 1258
Triticum aestivum 2785
Helianthus
anther culture 694
breeding 1440
cytology 816
disease resistance
Erysiphe cichoracearum 1348
Orobanche cumana 1348
Phoma oleracea 1348
Plasmopara halstedii 1348
embryo culture 694, 2956
evolution 816, 2497
gene banks 770
genetic resources 770
genomes 816
germplasm releases 692
interspecific hybridization 694, 696, 2497, 2956
plant colonization 2497
plant introduction 2193
pollen 2542
restriction fragment length polymorphism
evolution 1199
taxonomy 1199
seeds
dormancy 312
seed treatment 312
taxonomy 2542
tissue culture 694
Helianthus *cont.*
USA 2193
utilization 2193
Helianthus angustifolius
interspecific hybridization 693
nucleocytoplasmic interaction, vigour 693
Helianthus annuus
anther culture 694
breeding 1440
China 1041
chloroplast genetics 153
collecting missions 187
disease resistance
Plasmopara halstedii 697
Puccinia helianthi 1349, 2101, 2856
embryo culture 694, 2956
gene flow 153
genetics, *Plasmopara halstedii* 697
India 1349
interspecific hybridization 153, 692-694, 696, 2956
landraces 2101
Mexico 187
networks, reports 2223
Nigeria 311
nucleocytoplasmic interaction, vigour 693
oils 1041
plant introduction 2193
pollen 2542
seed testing, pathogens 1471
seed treatment
storage 259
viability 259
vigour 259
seeds
germination 2649, 2652
harvest date 311
quality 311
storage 260, 2649, 2652-2653
viability 260, 311
taxonomy 2542
tissue culture 694
USA 2101, 2193
utilization 2193
Helianthus argophyllus
disease resistance, *Puccinia helianthi* 2856
interspecific hybridization 692
Helianthus bolanderi, interspecific hybridization 692
Helianthus debilis
interspecific hybridization 692
tissue culture, regeneration 385
Helianthus divaricatus
interspecific hybridization 693
nucleocytoplasmic interaction, vigour 693
tissue culture, regeneration 385
Helianthus exilis
conservation 1540
endangered species 1540
hybridization 1540
Helianthus grosseserratus
interspecific hybridization 693
nucleocytoplasmic interaction, vigour 693
seeds
dormancy 312
seed treatment 312
Helianthus maximiliani
interspecific hybridization 693
nucleocytoplasmic interaction, vigour 693
regeneration 1150
tissue culture 1150
regeneration 385
Helianthus mollis
interspecific hybridization 693, 696
nucleocytoplasmic interaction, vigour 693
seeds
dormancy 312
seed treatment 312
tissue culture, regeneration 385
Helianthus neglectus, interspecific hybridization 692
Helianthus niveus
collecting missions 187
Mexico 187
Helianthus nuttallii, tissue culture, regeneration 385
Helianthus paradoxus
conservation 1540
endangered species 1540
hybridization 1540

Helianthus paradoxus *cont.*
interspecific hybridization 692
Helianthus petiolaris
chloroplast genetics 153
collecting missions 187
disease resistance, *Puccinia helianthi* 2856
gene flow 153
interspecific hybridization 153, 692
Mexico 187
Helianthus praecox
interspecific hybridization 692
tissue culture, regeneration 385
Helianthus rigidus, interspecific hybridization 696
Helianthus scaberrimus
pollen 2542
taxonomy 2542
Helianthus similis
collecting missions 187
Mexico 187
Helianthus tuberosus
evaluation, forage 2835
USA 2835
Helianthus* × *Tithonia
incompatibility 695
intergeneric hybridization 695
Helichrysum apiculatum
Australia 2661
seeds, storage 2661
Heliconia
keys 935
taxonomy 935
Heliconia albicosta, new taxa 935
Heliconia darienensis, new species 935
Heliconia fredberryana
Ecuador 929
new species 929
Heliconia litana
Ecuador 929
new species 929
Heliconia lutheri
Ecuador 929
new species 929
Heliconia nubigena, new species 935
Heliconia obscura
Ecuador 929
new taxa 929
Heliconia stricta
Ecuador 2602
ethnobotany 2602
hallucinogens 2602
Peru 2602
Heliconia undulata, new taxa 935
Helipterum albicans
Australia 2661
seeds, storage 2661
Helminthosporium *(see also Cochliobolus)*
Hemidesmus indicus, tissue culture, regeneration 1898
Hepatitis B virus, *Phyllanthus* 2893
Heracleum sosnovskyi, seeds, storage 1850
Herbaria
Orchidaceae 1695
Rosa 1226
Herbicide resistance
Conyza canadensis
germination 2132
seeds 2132
crops, biosafety 2708
Cucumis sativus
chloramben 584
clomazone 586
Erigeron sumatrensis
germination 2132
seeds 2132
Lycopersicon 2080
Lycopersicon esculentum 2080
Solanum ptycanthum 2080
Herbicides
Glycine soja, genetics 549
Lactuca sativa, germplasm releases 2938
Heritability
Lycopersicon esculentum, salt tolerance 2944
Lycopersicon pimpinellifolium, salt tolerance 2944
Vigna radiata 1302
Hermaphroditism
Digitaria dioica 1010
Digitaria neesiana 1010
Herrania
Ecuador 2602
ethnobotany 2602
hallucinogens 2602
Peru 2602
Hesperaloe
fibres 2110
Mexico 2110
USA 2110
Heteranthelium piliferum
seed banks 1791
Syria 1791
Heterodera avenae
Triticum × *Secale*
chromosome addition 625
recombination 625
somaclonal variation 625
Heterodera glycines, *Glycine max,* pest resistance 1288, 1290, 2823
Heterodera schachtii
Beta, pest resistance 1354
Beta patellaris, pest resistance 1354
Beta procumbens, pest resistance 1354, 1444
Beta vulgaris, pest resistance 1444
Beta webbiana, pest resistance 1354
Heterodermia diademata
ethnobotany 2624
India 2624
Heteropappus
calyx 926
taxonomy 112-113, 926
Heterosis
Triticum, yield components 1405
Triticum aestivum, yield components 1395
Triticum durum, yield components 1405
Zea mays 654
Hevea
Brazil 1564
centres of diversity 1564
distribution 1564
domestication 1564
quarantine, *Microcyclus ulei* 1449
taxonomy 1564
Hevea brasiliensis
Brazil 1564
centres of diversity 1564
distribution 1564
domestication 1564
micropropagation 332
taxonomy 1564
tissue culture
regeneration 1884
storage 2680
Hibiscus
collecting missions 2566
India 2566
taxonomy 108
vascular system 108
Hibiscus cannabinus
cold resistance 597
photoperiodism 597
tissue culture, regeneration 389
Hibiscus esculentus *(see Abelmoschus esculentus)*
Hibiscus moscheutos
pollen competition 1023
pollination 1023
Hibiscus mutabilis
China 1047
collecting missions 1047
Hibiscus rosa-sinensis
ethnobotany 1835
India 1835
medicinal properties 1835
taxonomy 108
vascular system 108
Hibiscus sabdariffa
cold resistance 597
photoperiodism 597
Hibiscus syriacus
Korea Republic 2431
new taxa 2431
Hicoria *(see Carya)*
Hippeastrum
Peru 2451
taxonomy 2451
Hippophae rhamnoides
ornamental value 2879
UK 2879
Hirtella trichotoma
Latin America 1639
new species 1639
History 137
botanical gardens 2753
collecting missions 1028
fodder legumes 1415
gene banks 2746
genetic resources 1503
Medicago coerulea 1415
Medicago glutinosa 1415
Medicago sativa 1415
networks 2134
Oryza sativa 1218
plant introduction 1501
Pseudotsuga menziesii 774
taxonomy 723
Trifolium pratense 1415
Triticum polonicum, landraces 1531
Holotrichia serrata, *Arachis hypogaea,* pest resistance 2860
Homalomena occulta, tissue culture, regeneration 438
Honduras
Coccoloba cholutecensis 1627
Sorghum bicolor 2015
Hordein
Hordeum deficiens 521
Hordeum distichum 521
Hordeum irregulare 521
Hordeum spontaneum 521
Hordeum vulgare 521
Hordeum
biotechnology 2707
breeding, books 741
China 2005, 2033
chloroplast genetics, taxonomy 454
collecting missions 1032
collections 2001
databases 2001
disease resistance
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
evaluation 2005, 2033
gene pools 6
genetic resources 6, 2707
books 741
Hordeum vulgare
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
India 2707
interspecific hybridization 1408
isoenzymes 48
Italy 1032
molecular genetics, books 741
Pakistan 2033
pest resistance
hydroxamic acids 2788
Rhopalosiphum padi 2788
restriction fragment length polymorphism, taxonomy 454
Sweden 2033
taxonomy 48
Hordeum agriocrithon, chromosome banding 2000
Hordeum bogdani
fungi 712
gene banks 712
seeds 712
USA 712
Hordeum brachyantherum
fungi 712
gene banks 712
keys 1572
numerical taxonomy 1572
seeds 712
USA 712, 1572
Hordeum brevisubulatum
China 540, 1274
chromosome banding 524
fungi 712
gene banks 712
genomes 524
molecular genetics, evolution 2710
salt tolerance 540, 1274
seeds 712
USA 712
Hordeum bulbosum
chromosome banding 524
disease resistance, *Erysiphe graminis* 650

Hordeum bulbosum *cont.*
embryo culture 1407
fungi 712
gene banks 712
genetics, *Erysiphe graminis* 650
genomes 524
haploidy 649
Hordeum vulgare
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
interspecific hybridization 646, 649-650, 1407
Israel 1786
pest resistance, *Diuraphis noxia* 646
plant communities 1786
restriction fragment length polymorphism 457
seeds 712
taxonomy 47
USA 712
Hordeum chilense
chromosome transmission 449
disease resistance, *Mycosphaerella graminicola* 2150
fungi 712
gene banks 712
molecular genetics, evolution 2710
seeds 712
USA 712
Hordeum comosum
fungi 712
gene banks 712
seeds 712
USA 712
Hordeum deficiens
amino acids 521
hordein 521
Hordeum depressum
keys 1572
numerical taxonomy 1572
USA 1572
Hordeum distichum
amino acids 521
hordein 521
Hordeum geniculatum, tissue culture, regeneration 1128
Hordeum glaucum, restriction fragment length polymorphism 457
Hordeum irregulare
amino acids 521
hordein 521
Hordeum jubatum
fungi 712
gene banks 712
salt tolerance 520
seeds 712
USA 712
Hordeum leporinum, restriction fragment length polymorphism 457
Hordeum marinum
chromosome banding 524
fungi 712
gene banks 712
gene mapping 1917
genomes 524
Hordeum vulgare
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
seeds 712
taxonomy 47
USA 712
Hordeum murinum
chromosome banding 524
fungi 712
gene banks 712
genomes 524
Hordeum vulgare
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
molecular genetics, evolution 2710
restriction fragment length polymorphism 457
seeds 712
taxonomy 47
USA 712
Hordeum patagonicum
South America 826
taxonomy 826
Hordeum santacrucense
South America 826
taxonomy 826
Hordeum setifolium
South America 826
taxonomy 826
Hordeum spontaneum
amino acids 521
anther culture 647
chlorophyll *a/b* binding protein 2772
chloroplast genetics 456
chromosome banding 2000
circadian rhythm 2772
Cyprus 2486, 2787
disease resistance, *Erysiphe graminis* 2786
domestication 2486
evaluation 2787
genetics
Erysiphe graminis 2786
regeneration 647
heat production 505
hordein 521
interspecific hybridization 647, 2486, 2787
isoenzymes 458
Israel 505, 1786, 2772-2773
molecular genetics 458
plant communities 1786
restriction fragment length polymorphism 456-457
salt tolerance 2773
taxonomy 47
Turkey 2772
Hordeum stenostachys
fungi 712
gene banks 712
seeds 712
USA 712
Hordeum vulgare
amino acids 521
anther culture 647
archaeology 2485
cell culture, cryopreservation 333
China 455, 2713
chromosome banding 524, 2000
chromosome transmission 449
cold resistance 525, 1250
collections 1251, 1962, 2001
Cyprus 2486, 2787
databases 2001
descriptors 1999
disease resistance
barley yellow dwarf luteovirus 1392
barley yellow mosaic bymovirus 1251
Erysiphe graminis 522, 650, 2789
fungi 522
domestication 2486
embryo culture 1407
Ethiopia 455
evaluation 1235, 1994, 2002-2004, 2787
France 2141
genetic resources 721
genetics
aluminium 523
barley yellow mosaic bymovirus 1251
Erysiphe graminis 650
regeneration 647
toxic substances 523
genomes 524
Georgia 1252
haploidy 649
hordein 521
Hordeum
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
Hordeum bulbosum
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
Hordeum marinum
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
Hordeum murinum
chloroplast genetics, taxonomy 1181
restriction fragment length polymorphism, taxonomy 1181
interspecific hybridization 646-647, 649-650, 1407-1408, 2486, 2787
Hordeum vulgare *cont.*
Japan 1251, 2004
Korea Republic 2003
landraces 523, 1235, 1250-1251, 1994, 2003
Mediterranean countries 2485
molecular genetics
evolution 455, 1913
numerical taxonomy 1913
salt tolerance 1912
multivariate analysis 1999, 2002-2003
Nepal 1235
networks 2141
pest resistance
hydroxamic acids 2788
Rhopalosiphum padi 2788
proteins 1252
restriction fragment length polymorphism 457, 2713
Russia 525
salt tolerance 520
seeds
germination 1098, 2627
storage 1097-1098, 2627
viability 1097
Switzerland 1994
Syria 721, 1250
taxonomy 47
Tibet 455
tryptophan 1252
water balance 2485
Hordeum* × *Agropyron, intergeneric hybridization 620, 661
Hordeum* × *Elymus, intergeneric hybridization 645, 1409, 2035
Hordeum* × *Psathyrostachys, intergeneric hybridization 1409
Hordeum* × *Secale
chromosome pairing 661
intergeneric hybridization 645, 648, 661, 1179, 1409
meiosis 648
nucleotide sequences 1179
tissue culture 1179
Hordeum* × *Triticum
baking quality 615
disease resistance
Mycosphaerella graminicola 2150
Puccinia recondita 651
evaluation 2154
intergeneric hybridization 615, 617, 645, 651, 1179, 1409, 2150, 2152, 2154
nucleotide sequences 1179
nutritive value 2152
Poland 2154
tissue culture 1179
Hornstedtia scottiana
Australia 1381
edible species 1381
Hugeria vaccinioides
China 104
genetic resources 104
surveys 104
Humidity, *Kigelia pinnata* 1020
Humulus lupulus, tissue culture, regeneration 1176
Hungary
Capsicum annuum 300
grasslands 206
Rosa 1666
Hyacinthella
keys 1685
taxonomy, chromosome number 1685
Turkey 1685
Hyacinthella lazulina
new species 1685
Turkey 1685
Hybrid chlorosis
Triticum araraticum, genetics 510
Triticum dicoccoides, genetics 510
Triticum timopheevii, genetics 510
Hybrid varieties, *Saccharum* 701, 1442
Hybrid vigour (*see* Heterosis)
Hybridization (*see also* Intergeneric hybridization; Interspecific hybridization; Protoplast fusion; Wide hybridization)
Agaricus bisporus 2743
Arisaema dracontium, distribution 2446
Arisaema triphyllum, distribution 2446
Cercocarpus traskiae 1540
Helianthus exilis 1540

Hybridization *cont.*
Helianthus paradoxus 1540
Lepista nuda 710
Lepista saeva 710
Lepista sordida 710
Vigna lanceolata 676
Vigna radiata 676
Vigna vexillata 676
Hydrogen cyanide, *Phaseolus lunatus* 1295
Hydroxamic acids
Hordeum, pest resistance 2788
Hordeum vulgare, pest resistance 2788
Triticeae 1234
Hygroryza
collecting missions 1768
South East Asia 1768
Hyoscyamine 6β-hydroxylase
Atropa belladonna, genetic transformation 1956
Hyoscyamus niger
gene expression 1956
genetic engineering 1956
Hyoscyamus muticus, alkaloids 485
Hyoscyamus niger
gene expression, hyoscyamine 6β-hydroxylase 1956
genetic engineering, hyoscyamine 6β-hydroxylase 1956
Hypera postica, *Trifolium repens,* pest resistance 2039
Hyperbaena eladioana
Costa Rica 2409
new species 2409
Hypericum gentianoides
plant colonization 1758
population dynamics 1758
seed dispersal 1758
USA 1758
Hypericum perfoliatum
ethnobotany 1833
Italy 1833
Hyphaene dichotoma
distribution 2407
endangered species 2407
India 2407
Hypoxis
ethnobotany 1831
medicinal properties 1831
Hyptis
Brazil 253
medicinal properties 253
Hyssopus officinalis
biotechnology 2707
genetic resources 2707
India 2707
Icacina senegalensis
Africa 2884
medicinal properties 2884
plant composition 2884
Iceland, crops 1963
Ilex
distribution 1661
keys 2428
morphology 1661
Panama 2428
taxonomy 2428
USA 1661
Ilex fortunensis
new species 2428
Panama 2428
Ilex guayusa
Ecuador 2602
ethnobotany 2602
hallucinogens 2602
Peru 2602
Ilex lihuaiensis
China 1662
taxonomy 1662
Ilex maxima
new species 2428
Panama 2428
Ilex serrata
China 1662
taxonomy 1662
Ilex stellata
new species 2428
Panama 2428
Ilex suaveolens
China 1658
new taxa 1658
Ilex suichangensis
China 1662
taxonomy 1662
Imbibitional injury
Vigna unguiculata, seeds 1108
Zizania palustris, seeds 1100
Impatiens
cytology 931
cytotaxonomy 931
Nepal 931
Impatiens capensis
plant colonization 1758
population dynamics 1758
population genetics 1756
seed dispersal 1758
USA 1756, 1758
Impatiens exilis
cytology 931
cytotaxonomy 931
Nepal 931
Imperata cylindrica
collecting missions 1774
India 1774
Import controls (*see also* Quarantine)
***In situ* conservation** 190
Castanea 2575
ecosystems 2569
farm woodlands 193
forest trees 2573-2574
forests 1053-1054
genetic resources 17, 1776
grasslands 1052
Oryza 1777-1778
Quercus 2575
resource management 782
Zea diploperennis 2253
Zelkova 2575
***In vitro* culture** 326
(*see also* Anther culture; Cell culture; Embryo culture; Micropropagation; Ovule culture; Protoplasts; Tissue culture)
books 1485
Catharanthus roseus, alkaloids 486
conferences 725
conservation 1120
crops, cryopreservation 1125
cryopreservation 1121, 1124, 2665
Cyathea schanschin, regeneration 433
Dicksonia sellowiana, regeneration 433
Dioscorea 2937
conservation 1873
endangered species 330, 1862
fodder plants, conservation 2667
Fragaria ananassa, cryopreservation 1121
fruit crops
conservation 1877
cryopreservation 1877
gene banks 1120
genetic markers 1389
intergeneric hybridization 1389
interspecific hybridization 1389
isoenzymes 1389
Manihot esculenta, cryopreservation 1120
Musa 2952
banana bunchy top virus 715
cucumber mosaic cucumovirus 715
quarantine 715
ornamental woody plants, regeneration 331
Penstemon serrulatus, iridoids 2736
Populus, Xanthomonas populi 598
Populus tremula, Xanthomonas populi 598
Quercus suber, regeneration 1157
regeneration 325
Solanum
collections 1134
storage 1134
tubers 1134
Solanum berthaultii 2933
Solanum phureja 1186
Solanum tuberosum 2933
collections 1134
conservation 1870
storage 1134
tubers 1134
Solenostemma argel, pharmaceutical products 2741
storage 1957
Thapsia garganica, thapsigargins 2742
trees, regeneration 331
Undaria pinnatifida, cryopreservation 1902
vitrification 324
Yucca gloriosa, steroids 2735
Zoysia, storage 1163
***In vitro* selection**
Solanum brevidens 2934
Solanum tuberosum 2934
Inbreeding
Pennisetum glaucum 658
Plantago 1022
Inbreeding depression
Lobelia cardinalis 170
Lobelia siphilitica 170
Incarvillea emodi
ornamental value 1368
Pakistan 1368
Incompatibility
Cicer 167
Cicer arietinum 167
Cicer bijugum 167
Cicer reticulatum 167
Gossypium arboreum 706
Gossypium bickii 706
Gossypium davidsonii 706
Gossypium hirsutum 706
Gossypium stockii 706
Gossypium thurberi 706
Gossypium trilobum 706
Helianthus × *Tithonia* 695
Solanum, tuberous species 2537
Vigna unguiculata 675
Vigna vexillata 675
India
Abelmoschus esculentus 1038
Acacia nilotica 1835
Adhatoda vasica 1835
Aegle marmelos 2852
Allium 2707
Allium carolinianum 2564
Allium humile 2564
Allium rubellum 2564
Allium wallichii 2564
Amaranthus 2260
Aquilaria agallocha 2876
Arachis batizocoi 698
Arachis cardenasii 698
Arachis chacoense 698
Arachis duranensis 698
Arachis hypogaea 698, 2196, 2756, 2858-2860
Bauhinia 2821
biotechnology 2702
Brassica juncea 591
breeders' rights 27
Cajanus cajan 179, 561, 2756
Canavalia 2821
Carthamus tinctorius 1472, 1476
Cassia 40, 2642
Cassia siamea 40
Cenchrus glaucus 283
Centella asiatica 603
Chenopodium 2260
Cicer 2707
Cicer arietinum 179, 559, 1299, 1421, 2756
Cicer bijugum 559
Cicer cuneatum 559
Cicer echinospermum 559, 1421
Cicer judaicum 559
Cicer pinnatifidum 559
Cicer reticulatum 559
Cicer yamashitae 559
Cinnamomum chemungianum 2415
Clerodendrum 923
Coix 1991
Coix aquatica 2030
Coix lacryma-jobi 2030
Colocasia esculenta 2834
conservation 1529, 2268
Corchorus 2566
Costus speciosus 2440
crops 2251
Crotalaria juncea 2566
Cucumis 2504
Cucumis melo 1320, 2378
Cucumis sativus 37, 583
Cucurbita moschata 1323
Cymbopogon jwarancusa 2707

India *cont.*
Cymbopogon martinii 608
Dioscorea deltoidea 571
Erianthus 1774
Erianthus fulvus 1774
Erianthus longisetosus 1774
ethnobotany 2599
Eucalyptus tereticornis 2960
Fagopyrum cymosum 2258-2259
Fagopyrum esculentum 2258-2259
Fagopyrum giganteum 2258
Fagopyrum tataricum 2258-2259
Ficus 1339
Ficus auriculata 1339
Fimbristylis bisumbellata 1383
Fimbristylis dichotoma 1383
Fimbristylis falcata 1383
Fimbristylis ferruginea 1383
Fimbristylis miliacea 1383
Fimbristylis monostacha 1383
Fimbristylis polytrichoides 1383
Fimbristylis quinquangularis 1383
flora 2266
fodder legumes 758
fodder plants 2284
forest trees 1842, 2657
forests 793, 2281, 2594, 2597, 2606, 2990
fruit crops 175, 714, 2252
genetic erosion 2281
genetic resources 143, 1520
Glycine max 2643
Gossypium arboreum 705
Gossypium barbadense 2867
Gossypium hirsutum 705, 2867
Gossypium raimondii 705
Gossypium stocksii 705
Gossypium sturtii 705
Gossypium thurberi 705
grain legumes 758
grasslands 207-209, 1797
Gymnospermae 2425
Helianthus annuus 1349
Heterodermia diademata 2624
Hibiscus 2566
Hibiscus rosa-sinensis 1835
Hordeum 2707
Hyphaene dichotoma 2407
Hyssopus officinalis 2707
Imperata cylindrica 1774
Ixora agasthyamalayana 917
Jasminium 1726
Jasminum grandiflorum 708
Kigelia pinnata 1020
Lablab purpureus 569
Leguminosae 2347
Lens culinaris 1464
Lepidopetalum fructoglabrum 902
Lepidopetalum micans 902
Lepidopetalum montanum 902
Lepidopetalum perrottetii 902
Lepidopetalum subdichotomum 902
Lepidopetalum xylocarpum 902
Manihot tristis 2669
Maytenus emarginata 398
medicinal plants 1088, 2622, 2707
Melocanna bambusoides 2900
minor forest products 2613-2614
Moringa oleifera 1835
Mucuna 2821
multipurpose trees 2604
Musa 1040
Nardostachys jatamansi 2698-2699
National Bureau of Plant Genetic Resources, reports 2220
Nepenthes khasiana 1896
Oberonia anthropophora 2461
Oryza 2707
Oryza officinalis 537
Oryza sativa 528, 532, 537, 1266
palaeoecology 966
Palmae 1494
Panicum miliare 2162
Papaver somniferum 1379
Parmelia cirrhata 2624
Peltigera polydactyla 2624
Pennisetum glaucum 658-659, 2756
Phyllanthus emblica 307, 1763
Physalis pubescens 87
Piper betle 131
Piper clypeatum 131

India *cont.*
Piper flavimarginatum 131
Pisum sativum 1464
Prunus dulcis 2100
Psidium guajava 307
Psilanthus 1605
Psilanthus bababudanii 1605
Psilanthus bridsoniae 1605
Psilanthus malabaricus 1605
Quercus acutissima 2394
Quercus serrata 2394
Rauvolfia serpentina 126, 1380
Rhynchosia bracteata 179
Saccharum barberi 2388
Saccharum spontaneum 1774
Sapium sebiferum 2875
Schizostachyum arunachalensis 2480
Sinarundinaria arunachalensis 2479
Solanum 2707
Solanum anomalum 2083
Solanum gilo 2083
Solanum melongena 575, 1038, 2083
Sorghum bicolor 526, 2756
Sorghum nitidum 527
Stereocaulon himalayense 2624
sustainability 1557, 2281
Taxus baccata 2305
Taxus wallichiana 2305
Terminalia 2416
Triticum durum 638
Triticum timopheevii 638
Vanilla walkeriae 440
vegetables 175
Vigna 2707, 2821
Vigna radiata 1304, 2375, 2829
wild plants 735, 1775, 1842
Zea 1991
Zea mays 1991, 2011-2012
Indigenous knowledge
conservation 1529
Ethiopia 1817
rain forests 2607
sustainability 1555, 1557
Indigofera bayensis
new species 1581
Somalia 1581
Indigofera gypsacea
new species 1581
Somalia 1581
Indigofera karkarensis
new species 1581
Somalia 1581
Indigofera lamellata
new species 1581
Somalia 1581
Indigofera lughensis
new species 1581
Somalia 1581
Indigofera phymatodea
new species 1581
Somalia 1581
Indigofera pseudointricata
Somalia 1581
taxonomy 1581
Indigofera scopiformis
new species 1581
Somalia 1581
Indochina
Cruddasia laotica 1586
Cruddasia pinnata 1586
Dolichos grahamianus 1586
Dolichos oxyphyllus 1586
Dolichovigna pilosa 1586
Erythrina stricta 1586
Flemingia macrophylla 1586
Mellettia rigens 1586
Pueraria candollei 1586
Pueraria rigens 1586
Shuteria suffulta 1586
Vigna radiata 1586
Indonesia
Calamus 1638
Calamus inops 1638
Calamus orthostachys 1638
Calamus pedicellatus 1638
Calamus robinsonianus 1638
Cocos nucifera 1224, 2565
Colocasia esculenta 2834
Dendrochilum karoense 117
Dendrochilum mirabile 117
Dendrochilum suratii 117

Indonesia *cont.*
Erianthus 1045
forests 247
medicinal plants 254
Metroxylon sagu 2210
Miscanthus 1045
Myristica 2898
on-farm conservation 1844
ornamental plants 1212
Palmae 1494
rain forests 732, 2269
Saccharum 1045
Saccharum robustum 1045
Saccharum spontaneum 1045
seed banks 1844
vegetables 1212
Induced mutations
Euphorbia lagascae
seeds 700
shedding 700
Industrial crops
plant introduction 2187
USA 2187
utilization 2187
Inflorescences
Fragaria ananassa 2091
Fragaria chiloensis 2091
Fragaria virginiana 2091
Oryza sativa 1412
Triticum dicoccoides 45
Information processing
Musa 613
Oryza sativa 2144
Information retrieval, conservation 1092
Information transfer, genetic resources 1384
Inga
Central America 2403
taxonomy 2403
Inga affinis
Argentina 909
keys 909
taxonomy 909
Inga edulis
Argentina 909
keys 909
taxonomy 909
Inga marginata
Argentina 909
keys 909
taxonomy 909
Inga saltensis
Argentina 909
keys 909
taxonomy 909
Inga uruguensis
Argentina 909
keys 909
taxonomy 909
Inga virescens
Argentina 909
keys 909
taxonomy 909
Insect pests, *Zingiber officinale,* quarantine 2216
Insects
crops, pest resistance 1989
Solanum, pest resistance 2099
Solanum berthaultii, pest resistance 2933
Solanum maurítianum, pest resistance 2099
Solanum tuberosum, pest resistance 2933
Triticum aestivum, pest resistance 508
Vigna, pest resistance 2717
Vigna radiata, pest resistance 2829
Intellectual property rights 1549, 2315, 2319
Developing Countries 2313
genetic resources 809
USA 2317, 2321
Intergeneric hybridization
Aegilops × *Agropyron* 620
Aegilops × *Secale* 618, 2153
Aegilops × *Triticum* 622, 628-629, 631-633, 642-644, 824, 1399-1400, 2154, 2157, 2912-2913, 2918
Agropyron × *Aegilops* 620
Agropyron × *Dasypyrum* 620
Agropyron × *Elymus* 661
Agropyron × *Hordeum* 620, 661
Agropyron × *Secale* 620

Intergeneric hybridization *cont.*
Agropyron × *Triticum* 616, 620, 641, 1416, 2914, 2919
Atylosia × *Cajanus* 672
Australopyrum × *Elymus* 2037
Brassica × *Diplotaxis* 2955
Brassica × *Raphanus* 679
Cajanus × *Atylosia* 672
Dasypyrum × *Agropyron* 620
Diplotaxis × *Brassica* 2955
Dupontia × *Poa* 1709
Elymus × *Agropyron* 661
Elymus × *Australopyrum* 2037
Elymus × *Hordeum* 645, 1409, 2035
Elymus × *Psathyrostachys* 661, 2037
Elymus × triticale 641
Elymus × *Triticum* 621, 625, 636-637, 641, 662, 1396, 1403-1404, 2155-2156, 2916, 2920
Erianthus 1443
Erianthus × *Saccharum* 702
Festuca × *Vulpia* 1277
Helianthus × *Tithonia* 695
Hordeum × *Agropyron* 620, 661
Hordeum × *Elymus* 645, 1409, 2035
Hordeum × *Psathyrostachys* 1409
Hordeum × *Secale* 645, 648, 661, 1179, 1409
Hordeum × *Triticum* 615, 617, 645, 651, 1179, 1409, 2150, 2152, 2154
in vitro culture 1389
Lolium × *Triticum* 2154
Miscanthidium × *Saccharum* 702
Miscanthus 1443
Miscanthus × *Saccharum* 702, 2958
Narenga 1443
Oryza × *Sorghum* 1412
Poa × *Dupontia* 1709
Psathyrostachys × *Elymus* 661, 2037
Psathyrostachys × *Hordeum* 1409
Psathyrostachys × *Triticum* 1406
Raphanus × *Brassica* 679
Saccharum 1443
Saccharum × *Erianthus* 702
Saccharum × *Miscanthidium* 702
Saccharum × *Miscanthus* 702, 2958
Sclerostachys 1443
Secale × *Aegilops* 618, 2153
Secale × *Agropyron* 620
Secale × *Hordeum* 645, 648, 661, 1179
Secale × *Triticum* 618, 625, 634, 969, 1179, 1409, 2151, 2154, 2912, 2921
Sorghum × *Oryza* 1412
Tithonia × *Helianthus* 695
Tripsacum × *Zea* 1410, 2158
triticale × *Elymus* 641
Triticeae 973
Triticum × *Aegilops* 622, 628-629, 631-633, 642-644, 824, 1399-1400, 2154, 2157, 2912-2913, 2918
Triticum × *Agropyron* 616, 620, 641, 1416, 2914, 2919
Triticum × *Elymus* 621, 625, 636-637, 641, 662, 1396, 1403-1404, 2155-2156, 2916, 2920
Triticum × *Hordeum* 615, 617, 645, 651, 1179, 1409, 2150, 2152, 2154
Triticum × *Lolium* 2154
Triticum × *Psathyrostachys* 1406
Triticum × *Secale* 618, 625, 634, 969, 1179, 2151, 2154, 2912, 2921
Vulpia × *Festuca* 1277
Zea × *Tripsacum* 1410, 2158
International Board for Plant Genetic Resources, reports 2219
International Center for Agricultural Research in the Dry Areas
organizations 1525
reports 721
International Center for Agricultural Research in the Dry Areas, Genetic Resources Unit, reports 1478
International cooperation
China 1766
genetic resources 2
USA 1766
International Institute of Tropical Agriculture, reports 719, 2969
International organizations
biotechnology 1903
networks 2136
International Potato Center, reports 2222
International Rice Research Institute, reports 718
Interspecific hybridization
Abelmoschus esculentus 151
Abelmoschus tetraphyllus 151
Aegilops bicornis 644, 1249
Aegilops crassa 1249
Aegilops longissima 644, 1249
Aegilops searsii 644
Aegilops speltoides 644, 1249
Aegilops squarrosa 1915, 2553
Aegilops umbellulata 644
Aegilops uniaristata 2553
Aegilops variabilis 644
Aegilops × *Triticum* 1398
Agropyron cristatum 660, 974
Agropyron desertorum 660, 974
Agropyron fragile 974
Agropyron mongolicum 974
Akebia quinata 2491
Akebia trifoliata 2491
Allium 1316, 1431
Allium cepa 1430-1431
Allium galanthum 1431
Allium oschaninii 1431
Allium pskemense 1431
Allium roylei 1430-1431
Allium vavilovii 1431
Arachis 1441
Arachis batizocoi 698, 2957
Arachis cardenasii 698, 2957
Arachis chacoense 698
Arachis chacoensis 2957
Arachis duranensis 698
Arachis glabrata 2197
Arachis hypogaea 698, 1441, 2197, 2957
Avena 2006
Avena atlantica 1182
Avena hirtula 1182
Beta atriplicifolia 2106
Beta macrocarpa 2106
Beta maritima 2106
Beta patellaris 2199
Beta procumbens 2199
Beta vulgaris 1444, 2106, 2199
Brassica 1347
Brassica campestris 679
Brassica napus
Hirschfeldia incana 1911
rape 1911
Brassica spinescens 679
Capsicum 1436
Capsicum annuum 2945
Capsicum baccatum 686
Capsicum chinense 2945
Capsicum frutescens 686, 2945
Carica cauliflora 378
Carica papaya 378
Carthamus 1350
Castanea crenata 2953
Castanea sativa 2953
Catasetum 945
Catharanthus roseus 2894
Catharanthus trichophyllus 2894
Chenopodium berlandieri 2357, 2536
Chenopodium quinoa 2357, 2536
Cicer 167-168
Cicer arietinum 167-168, 671, 1421, 2059
Cicer bijugum 167, 671
Cicer echinospermum 671, 1421
Cicer judaicum 671
Cicer pinnatifidum 671
Cicer reticulatum 167, 671, 2059
Cichorium 1939
Cichorium endivia 1137
Cichorium intybus 1137, 1939
Citrullus colocynthis 690
Citrullus lanatus 690
Citrus paradisi 1438
Citrus reticulata 1438
Citrus tachibana 1438
Cucumis figarei 688-689
Cucumis meeusii 689
Cucumis melo 688-689
Cucumis myriocarpus 689
Cucumis zeyheri 689
Cucurbita ecuadorensis 691
Cucurbita maxima 691
Cyclamen hederifolium 1448
Interspecific hybridization *cont.*
Cyclamen persicum 1448
Cypripedium montanum 121
Cypripedium parviflorum 121
Dendranthema indicum 1369
Dendranthema vestitum 1369
Dioscorea 2930
Elymus 835, 2361
Elymus caespitosus 2036
Elymus canadensis 1417
Elymus caucasicus 2361
Elymus elongatus 1278
Elymus farctus 1278, 2036
Elymus hispidus 2036
Elymus lanceolatus 2035
Elymus longearistatus 2361
Elymus magellanicus 2035
Elymus nodosus 2036
Elymus repens 660
Elymus spicatus 660, 2035
Elymus trachycaulus 1417, 2035
Eucalyptus citriodora 1886
Eucalyptus torelliana 1886
Fagopyrum cymosum 2535
Fagopyrum esculentum 2535, 2924
Fagopyrum leptopodum 2535
Fagopyrum tataricum 2924
Fagopyrum urophyllum 2535
Ficus natalensis 1014
Ficus thonningii 1014
Fragaria chiloensis 2192
Gibasis consobrina 494
Gibasis karwinskyana 494
Glycine gracilis 668
Glycine max 668
Gossypium arboreum 704, 706, 2959
Gossypium aridum 2205
Gossypium australe 2959
Gossypium barbadense 2205
Gossypium bickii 706
Gossypium davidsonii 706, 2959
Gossypium gossypioides 2205
Gossypium hirsutum 704, 706
Gossypium raimondii 1357, 2205
Gossypium stockii 706
Gossypium sturtianum 2959
Gossypium thurberi 706, 1357, 2959
Gossypium trilobum 706
Helianthus 694, 696, 2497, 2956
Helianthus angustifolius 693
Helianthus annuus 153, 692-694, 696, 2956
Helianthus argophyllus 692
Helianthus bolanderi 692
Helianthus debilis 692
Helianthus divaricatus 693
Helianthus grosseserratus 693
Helianthus maximiliani 693
Helianthus mollis 693, 696
Helianthus neglectus 692
Helianthus paradoxus 692
Helianthus petiolaris 153, 692
Helianthus praecox 692
Helianthus rigidus 696
Hordeum 1408
Hordeum bulbosum 646, 649-650, 1407
Hordeum spontaneum 647, 2486, 2787
Hordeum vulgare 646-647, 649-650, 1407-1408, 2486, 2787
in vitro culture 1389
Ipomoea batatas 2538
Ipomoea trifida 2538
Iris 2497
Lactuca saligna 1432
Lactuca sativa 1432
Larix decidua 1446
Larix kaempferi 1446
Lonicera nigra 2115
Lonicera xylosteum 2115
Lupinus albus 666
Lupinus angustifolius 666
Lupinus hartwegii 666
Lupinus hispanicus 666
Lupinus luteus 666
Lupinus mutabilis 666
Lycopersicon 2942
Lycopersicon cericelifollium 2082
Lycopersicon cheesmanii 2941
Lycopersicon esculentum 682-683, 1139, 1435, 2082, 2185, 2540, 2939, 2943-2944

Interspecific hybridization *cont.*
Lycopersicon esculentum cont.
Lycopersicon peruvianum 1434
Lycopersicon hirsutum 1435
Lycopersicon pennellii 682-683, 2941
Lycopersicon peruvianum 1435, 2185, 2540, 2939, 2943
Lycopersicon esculentum 1433
Lycopersicon pimpinellifolium 1139, 2944
Manihot 2930
Manihot epruinosa 2930
Manihot esculenta 1429, 2930
Manihot glaziovii 2930
Manihot pseudoglaziovii 1429
Medicago 2172
Medicago borealis 664
Medicago daghestanica 2715
Medicago falcata 664
Medicago pironae 2715
Medicago rupestris 2715
Medicago sativa 2172, 2715
Medicago varia 664
Mentha caucasica 707
Mentha haplocalyx 707
Mentha incana 707
Mentha royleana 707
Mentha sachalinensis 707
Musa 2952
Nicotiana 1445
Nicotiana tabacum 1445
Odontoglossum edwardii 1537
Odontoglossum uro-skinneri 1537
Oenothera grandiflora 2122
Orchis coriophora 2454
Orchis sancta 2454
Oryza 2164
Oryza glumaepatula 2164
Oryza latifolia 2164
Oryza minuta 2167
Oryza punctata 2168
Oryza rufipogon 1414
Oryza sativa 1414, 2164, 2167-2168
Pelargonium incarnatum 933
Pelargonium patulum 933
Pennisetum glaucum 1922
Pennisetum squamulatum 1922
Phaseolus acutifolius 669-670
Phaseolus filiformis 669
Phaseolus vulgaris 669-670
Picea glauca 2684
Picea mariana 2684
Potentilla contigua 2438
Potentilla microphylla 2438
Prunus cerasus 2848
Prunus fruticosa 2848
Pseudoroegneria geniculata 2036
Pteris 2882
Rhododendron 2208
Rhododendron impeditum 2208
Rhododendron telmateium 2208
Ribes binominatum 152
Ribes bracteosum 2189
Ribes dikuscha 2189
Ribes lobbii 152
Ribes marshallii 152
Ribes nigrum 2189
Ribes roezlii 152
Saccharum 1443
Saccharum officinarum 701, 1442
Saccharum robustum 1442
Saccharum sinense 701, 1442
Saccharum spontaneum 701
Sedum 820
Senecio 2497
Senecio squalidus 988, 1746
Senecio vulgaris 988, 1746
Sesamum 1353
Setaria italica 1911, 1921, 2922
Setaria verticillata 1921
Setaria viridis 1911, 2922
Solanum, tuberous species 2537
Solanum acaule 1427, 2184
Solanum berthaultii 1587, 2933
Solanum brevidens 465, 1187
Solanum chacoense 1423, 2179, 2181, 2184
Solanum commersonii 1427, 2931
Solanum demissum 1422, 2832
Solanum gourlayi 1427, 2931
Solanum infundibuliform 2179

Interspecific hybridization *cont.*
Solanum leptostigma 1422
Solanum melongena 2540
Solanum nigrum 2832
Solanum photeinocarpum 1424
Solanum phureja 464, 1425
Solanum sisymbriifolium 2540
Solanum stoloniferum 2184
Solanum tarijense 1587
Solanum tuberosum 464-465, 1187, 1422-1425, 2179, 2181, 2184, 2832, 2933
Solanum villosum 2832
Spartina 2497
Tragopogon 2497
Trifolium alpestre 2173
Trifolium pratense 2173
Triticeae 973
Triticum 971, 1405
Triticum aestivum 639-640, 1393, 1401, 1915
Triticum araraticum 1401
Triticum boeoticum 639
Triticum durum 638-640, 1405
Triticum monococcum 639
Triticum timonovum 1394
Triticum timopheevii 638, 1393-1394
Triticum × *Aegilops* 1398
Vaccinium arboreum 2190
Vaccinium corymbosum 2190
Vaccinium darrowii 2190
Vaccinium elliottii 2190
Vigna 180, 2717, 2928-2929
Vigna trilobata 2928
Vigna unguiculata 180, 674-675, 2717, 2928
Vigna vexillata 674-675
Viola adenothrix 2125
Viola arcuata 2125
Zea 656, 2159
Zea mays 656, 2159
Introgression
Chenopodium berlandieri 2357
Chenopodium quinoa 2357
Trifolium nigrescens 1712
Inventories, woodlands 2392
Ipomoea
Australia 2484
Central Africa 1676
chemotaxonomy 2377
chloroplast genetics, taxonomy 1190
collecting missions 2562
domestication 2484
keys 1676
New Guinea 2484
Pacific Islands 2484
subsistence farming 2484
taxonomy 1676
Ipomoea batatas
breeding 2936
collections 749
cytotaxonomy 976
descriptors 1312
disease resistance
Botryodiplodia theobromae 570
Ceratocystis fimbriata 570
Erwinia chrysanthemi 570
Fusarium oxysporum 1311
Fusarium solani 570
Pseudomonas solanacearum 1311
Rhizopus 570
Rhizopus stolonifer 570
drought resistance 1311
embryology 2538
evolution 976
interspecific hybridization 2538
Papua New Guinea 749
Peru 2936
polyploidy 976, 2562
post harvest treatment
Botryodiplodia theobromae 570
Ceratocystis fimbriata 570
Erwinia chrysanthemi 570
Fusarium solani 570
Rhizopus 570
Rhizopus stolonifer 570
storage 570
quarantine, *Cylas formicarius* 2968
storage quality 1311
tissue culture 2670
pathogens 1469

Ipomoea batatas *cont.*
tissue culture *cont.*
regeneration 1135
transport 1470
Ipomoea cardiophylla
distribution 936
endangered species 936
USA 936
Ipomoea lacunosa, tissue culture, regeneration 1135
Ipomoea tenuiloba
distribution 936
endangered species 936
USA 936
Ipomoea thurberi
distribution 936
endangered species 936
USA 936
Ipomoea trifida
cytotaxonomy 976
embryology 2538
interspecific hybridization 2538
polyploidy 976
tissue culture, regeneration 1135
Ipomoea triloba, tissue culture, regeneration 1135, 1872
Ipomopsis aggregata
flowers 1024
gene flow 161, 1008
isoenzymes 1008
molecular genetics, taxonomy 1953
population genetics 1008
sex 1024
USA 1024
Ipomopsis macrosiphon, molecular genetics, taxonomy 1953
Iran
Astragalus ghamsaricus 850
Cicer arietinum 1299
fodder legumes 759
grain legumes 759
Trisetaria bornmuelleri 2365
Vicia faba 759
Iraq
fodder legumes 767
grain legumes 767
Iridoids
Genipa americana, tissue culture 480
Penstemon serrulatus 2687
in vitro culture 2736
tissue culture 481, 1204
Iris
China 746
distribution, books 746
evolution 2497
interspecific hybridization 2497
plant colonization 2497
taxonomy, books 746
Iris illyrica
leaves 937
numerical taxonomy 937
Yugoslavia 937
Iris pallida
leaves 937
numerical taxonomy 937
Yugoslavia 937
Iris pseudacorus, ovule culture, regeneration 1166
Iris pseudopallida
leaves 937
numerical taxonomy 937
Yugoslavia 937
Iris rossii
Korea Republic 1686
new taxa 1686
Iris setosa, ovule culture, regeneration 1166
Iris versicolor, ovule culture, regeneration 1166
Irvingia gabonensis
breeding 2961
nutritive value 2961
Isariopsis *(see Phaeoisariopsis)*
Ismene
Peru 2451
taxonomy 2451
Isoenzymes
Abies alba 2417
genetic variation 1006
Abies bornmuelleriana 2417
Abies equi-trojani 2417
Abies nordmanniana 2417

Isoenzymes *cont.*
Acacia colei, genetic variation 156
Acacia cowleana, genetic variation 156
Acacia gonoclada, genetic variation 156
Acacia holosericea, genetic variation 156
Acacia neurocarpa, genetic variation 156
Acrocomia aculeata, genetic variation 154
Agaricus bisporus 2743
Allium cepa 573
Allium chinense 573
Allium fistulosum, genetic variation 1315
Allium porrum 573
Allium ramosum 573
Ananas, genetic variation 2849
Anthyllis vulneraria, genetic variation 2520-2521
Arachis, genetic variation 2103
Arachis hypogaea, genetic variation 2103
Asclepias exaltata, genetic variation 2524
Astragalus 71
Avena byzantina, genetic variation 2511
Avena sativa, genetic variation 2511
Avena sterilis, genetic variation 2007
Banksia cuneata, genetic variation 160
Beta atriplicifolia, genetics 2106
Beta macrocarpa, genetics 2106
Beta maritima, genetics 2106
Beta patula, genetics 2106
Beta vulgaris
genetics 2106
beetroots 476
fodder beet 476
sugarbeet 476
Catharanthus roseus 2894
Catharanthus trichophyllus 2894
Cedrus atlantica 2113
Cedrus brevifolia 2113
Cedrus deodara 2113
Cedrus libani 2113
Cephalaria tatarica
evolution 1723
genetics 1723
Chionachne, Zea, genetic distance 1993
Cicer arietinum 558
Cicer echinospermum 558
Cicer reticulatum 558
Citrullus lanatus, genetics 1321
Coix, Zea, genetic distance 1993
Colocasia esculenta, genetic variation 2834
crops, genetic variation 990
Cucumis, genetic variation 2504
Cucumis sativus, genetic variation 1012, 1324
Dipsacus
evolution 1723
genetics 1723
Draba 819
Draba alpina 819
Draba crassifolia 819
Draba oxycarpa 819
Elaeis guineensis, genetic variation 2523
Elaeis melanococca, genetic variation 2523
Eragrostis curvula, characterization 1279
Fagus sylvatica 1360
Filipendula rubra, genetic variation 995
forest trees 1750
genetic variation 2525-2526
Ginkgo biloba, genetic variation 1753
Glycine soja 547
genetic variation 149, 1744
Hordeum 48
Hordeum spontaneum 458
in vitro culture 1389
Ipomopsis aggregata 1008
Knautia arvensis
evolution 1723
genetics 1723
Larix decidua 1360
Larix kaempferi 1360
Lens culinaris, genetic variation 150
Lens nigricans, genetic variation 150
Lithops, taxonomy 2467
Lycopersicon, linkage 2941
Lycopersicon cheesmanii, genetic variation 2079
Lycopersicon chilense, genetic variation 2079

Isoenzymes *cont.*
Lycopersicon chmielewskii, genetic variation 2079
Lycopersicon esculentum, genetic variation 2079
Lycopersicon parviflorum, genetic variation 2079
Lycopersicon pennellii, genetic variation 2079
Lycopersicon peruvianum, genetic variation 2079
Lycopersicon pimpinellifolium, genetic variation 2079
Manihot esculenta
genetic variation 2503
genetics 2833
Manihot glaziovii
genetic variation 2503
genetics 2833
Medicago lesinii 1711
Medicago murex 1711
Morchella 134
Morchella angusticeps 134
Morchella conica 134
Morchella crassipes 134
Morchella deliciosa 134
Morchella elata 134
Morchella esculenta 134
Olea europea, genetic variation 2512
Oryza sativa, genetic variation 1267
Picea abies 1360
Pinus cembra, population genetics 1751
Pinus koraiensis, population genetics 1751
Pinus ponderosa, genetic variation 1752
Pinus pumila, population genetics 1751
Pinus sibirica, population genetics 1751
Pinus sylvestris 1360
Piper methysticum, genetic variation 1382
Piper wichmannii, genetic variation 1382
Pseudotsuga menziesii 1360
Pteridophyta 2307
Rhus copallina 1007
Rhus glabra 1007
Rhus michauxii 1007
Scabiosa columbaria
evolution 1723
genetics 1723
Senecio cambrensis 988
Senecio squalidus 988
Senecio vulgaris 988
genetic variation 1746
Solanum brevidens, genetic variation 1003
Solanum etuberosum, genetic variation 1003
Solanum fernandezianum, genetic variation 1003
Solanum tuberosum, genetic variation 2502
Sorghum bicolor 2016, 2793
Succisa pratensis
evolution 1723
genetics 1723
taxonomy 2345
Triticum dicoccoides, genetic variation 2509
Vicia faba, genetic variation 1291
Vigna, genetic variation 2522
Vigna unguiculata, genetic variation 2501, 2522
Vitis riparia 1004
Vitis vinifera 1004
Zea mays, Zea, genetic distance 1993
Isoëtes boomii
new species 1704
USA 1704
Isoëtes caroliniana
new taxa 1704
USA 1704
Isoëtes georgiana
new species 1704
USA 1704
Israel
Achillea fragrantissima 256
Anabasis articulata 256
Artemisia herba-alba 256
Asphodelus microcarpus 256
Avena sterilis 1786
Brachypodium distachyon 2801

Israel *cont.*
Bromus fasciculatus 2801
Capsicum annuum 2946
Cleome droserifolia 256
Enarthrocarpus strangulatus 287
Ephedra 953
Ephedra campylopoda 953
Erucaria hispanica 2801
Filago desertorum 287
grasslands 144, 1786, 2583
Hammada salicornica 256
Hordeum bulbosum 1786
Hordeum spontaneum 505, 1786, 2772-2773
Institute for Agriculture & Applied Biology, Ben-Gurion University of the Negev, reports 717
Medicago 1786
Nicotiana glauca 256
Reboudia pinnata 287
Retama retama 256
Schismus arabicus 287
Thymelaea hirsuta 256
Trifolium 1786
Triticum dicoccoides 45, 505, 513, 2509, 2712, 2772-2773, 2778
Triticum durum 2712
Italy
Aegilops 1032
Aegilops fragilis 46
Agropyron 1032
Alyssum saxatile 1833
Anthyllis montana 2519
Anthyllis vulneraria 2519
Brassica 876
Brassica rupestris 184
cereals 2551
Cicer arietinum 560
Dasypyrum villosum 1032
Diplotaxis tenuifolia 1833
Ficus carica 588
flora 2344
fodder plants 177
Genista 921
grain legumes 2551
Hedysarum 177
Hordeum 1032
Hypericum perfoliatum 1833
Lathyrus sativus 545
Medicago polymorpha 1867
Medicago sativa 177
medicinal plants 1833
Petroselinum crispum 1475
Pinus pinea 24
Prunus serotina 2948
quarantine 1456
Quercus crenata 2397
Quercus ilex 2395
Rosa 1666
Trifolium alexandrinum 544
Trifolium pratense 177
Trifolium repens 177
Trifolium subterraneum 2042
Triticum durum 2757
vegetables 2551
Vicia altissima 2043
Vicia benghalensis 2043
Vicia onobrychioides 2043
Vicia villosa 2043
Vigna unguiculata 181
wild plants
databases 2482
distribution 2482
endangered species 2482
Ixora agasthyamalayana
India 917
new species 917
Ixora keenanii
Burma 1657
new species 1657
Jacaranda
distribution 903
keys 903
taxonomy 903
Jacaranda copaia, antiprotozoal agents 2880
Jacquinia arborea
Caribbean 1621
keys 1621
taxonomy 1621
Jacquinia armillaris
keys 1621

Jacquinia armillaris *cont.*
South America 1621
taxonomy 1621
Jacquinia keyensis
Caribbean 1621
keys 1621
taxonomy 1621
Jamesbrittenia
keys 1671
taxonomy 1671
Japan
Agropyron ciliare 620
Agropyron tsukushiense 620
Aucuba japonica 600
Chloranthus serratus 2421
Colocasia esculenta 2071, 2834
Echinochloa esculenta 50
Fagopyrum cymosum 2256
Fagopyrum esculentum 2256
Fagopyrum tataricum 2256
Filipendula auriculata 2449
forest trees 2390
forests 235
Glycine soja 547, 1744
grasslands 59
Hordeum vulgare 1251, 2004
Lobelia loochooensis 2441
National Institute of Agrobiological Resources, reports 722, 2218
nature conservation 241
Oryza sativa 1218, 1973
Pachysandra terminalis 1663
Peperomia okinawensis 124
Poa acroleuca 1575
Pteridophyta 2903
Sciadopityostrobus kerae 968
Sesbania cannabina 2819
Sesbania rostrata 2819
Sesbania speciosa 2819
Triticum aestivum 2915
Zoysia 59
Zoysia japonica 59, 997
Jasminium
chromosome number 1726
evolution 1726
India 1726
polyploidy 1726
Jasminum grandiflorum
breeding 708
collections 708
India 708
Jatropha
distribution 2883
medicinal properties 2883
ornamental value 2883
toxic substances 2883
Jatropha martinezii
Mexico 905
new species 905
Jessenia
Brazil 1223
gene banks 1223
Jessenia bataua
Brazil 1044
collecting missions 1044
Jordan
Triticum dicoccoides 1738-1739, 2712
Triticum durum 514, 1236-1237, 2712, 2781
Juglans ailantifolia
ornamental value 2879
UK 2879
Juglans regia
breeding 1344
databases 1222
evaluation 1344, 2853
flowering 1344
gene banks 1222
growth period 1344
Turkey 2853
Ukraine 1222
Yugoslavia 1344
Juniperus monticola
Mexico 1656
taxonomy 1656
Juniperus phoenica
Morocco 1017
sex 1017
Spain 1017
Juniperus procera
Ethiopia 1364
Juniperus procera *cont.*
evaluation 1364
Juniperus recurva
ornamental value 2879
UK 2879
Justicia
keys 2437
South Africa 2437
taxonomy 2437
Kaempferia
keys 130
taxonomy 130
Thailand 130
Kalimeris
calyx 926
taxonomy 112-113, 926
Karyotype (*see* Chromosome morphology)
Kazakhstan
Corydalis shangii 930
Elymus 1576
grasslands 223
Stipa sczerbakovii 841
Stipa zaissanica 841
Triticum durum 1241
Kengyilia
China 65-66
keys 65
new taxa 65
taxonomy 66
Kenya
Cleome gynandra 2075
environmental degradation 778
ethnobotany 2598
genetic resources 1521
Phoenix reclinata 1085
resource management 778
Triticum dicoccoides 2778
wild plants 1841
Keys
Acacia 889-890
Acacia alexandri 890
Acacia ampliceps 889
Acacia aneura 1612
Acacia aphanoclada 890
Acacia ayersiana 1612
Acacia bivenosa 889
Acacia chartacea 890
Acacia colei 1610
Acacia cowleana 1610
Acacia cupularis 889
Acacia cuspidifolia 890
Acacia dempsteri 890
Acacia didyma 889
Acacia glaucocaesia 890
Acacia holosericea 1610
Acacia ligulata 889
Acacia meiantha 1611
Acacia neurocarpa 1610
Acacia pickardii 890
Acacia rostellifera 889
Acacia ryaniana 890
Acacia salicina 889
Acacia sclerosperma 889
Acacia startii 889
Acacia synchronicia 890
Acacia telmica 889
Acacia tysonii 889
Acacia victoriae 890
Acacia xanthina 889
Acer 2418
Ackama rosifolia 1650
Adenanthera 110
Adenanthera kostermansii 110
Adenanthera malayana 110
Adenanthera marina 110
Adenanthera microsperma 110
Adenanthera tamarindifolia 110
Anacardium 1603
Anacardium amapaënse 1603
Ardisia 2413
Arthrostylidium 2368
Astrocasia 97
Avena fatua 827
Avena sativa 827
Avena sterilis 827
Barringtonia edulis 918
Barringtonia novae-hiberniae 918
Barringtonia procera 918
Bignoniaceae 903
Brownea coccinea 899
Caesalpinia bonduc 99
Keys *cont.*
Caesalpinia crista 99
Caesalpinia decapetala 99
Caesalpinia minax 99
Caldcluvia paniculata 1650
Camellia japonica 188
Camptoloma 1671
Canthium 1636
Chusquea 1702
Cybistax 903
Delostoma 903
Dichelachne 2367
Digomphia 903
Ekmanianthe 903
Elytrigia 55
Erythrina 127
Erythrina caffra 127
Eurystyles 1691
Eurystyles bertonii 1691
Fagraea gracilipes 2435
forest trees 1567
Geranium 1670
Glycine dolichocarpa 1583
Glycine max 1583
Glycine tabacina 1583
Glycine tomentella 1583
Godmania 903
Gonzalagunia 1649
Grevillea angulata 2436
Grevillea aurea 2436
Grevillea brevis 2436
Grevillea glabrescens 2436
Grevillea microcarpa 2436
Gurania 861
Gymnocarpium dryopteris 2341
Heliconia 935
Hordeum brachyantherum 1572
Hordeum depressum 1572
Hyacinthella 1685
Ilex 2428
Inga affinis 909
Inga edulis 909
Inga marginata 909
Inga saltensis 909
Inga uruguensis 909
Inga virescens 909
Ipomoea 1676
Jacaranda 903
Jacquinia arborea 1621
Jacquinia armillaris 1621
Jacquinia keyensis 1621
Jamesbrittenia 1671
Justicia 2437
Kaempferia 130
Kengyilia 65
Lepidopetalum fructoglabrum 902
Lepidopetalum micans 902
Lepidopetalum montanum 902
Lepidopetalum perrottetii 902
Lepidopetalum subdichotomum 902
Lepidopetalum xylocarpum 902
Leptocereus santamarinae 1620
Lepturus calcareus 1574
Ludwigia 906
Ludwigia anastomosans 906
Lyperia 1671
Merremia 1676
Mosiera 94
Mucuna 127, 846
Nepeta 925, 2450
Pandanus 1633
Panicum 829, 2354
Paratecoma 903
Phragmotheca 1629
Physalis angulata 87
Physalis minima 87
Physalis peruviana 87
Physalis pubescens 87
Protium 1626
Psilanthus 1605
Psilanthus fragrans 1605
Puccinellia 61
Puccinellia bilykiana 61
Puccinellia brachylepis 61
Puccinellia distans 61
Puccinellia fominii 61
Puccinellia hauptiana 61
Puccinellia limosa 61
Puccinellia nuttalliana 61
Puccinellia poecilantha 61
Puccinellia syvaschica 61

Keys *cont.*
Puccinellia tenuissima 61
Quercus coahuilensis 2396
Quercus hintoniorum 2396
Quercus hypoxantha 2396
Quercus miquihuanensis 2396
rain forests 1607
Romeroa 903
Schiedeella 1692
Sechium 862
Sechium panamense 862
Sechium venosum 862
Siphonoglossa 2437
Sorbus 81
Sparattosperma 903
Sporobolus gloeoclados 1574
Sporobolus minimus 1574
Stipa 2362
Stipagrostis dhofariensis 1574
Stipagrostis xylosa 1574
Styphnolobium 2404
Sutera 1671
Tabebuia 903
Tecoma 903
Themeda arguens 54
Themeda quadrivalvis 54
Themeda triandra 54
Thyrsodium 2420
Thyrsodium bolivianum 2420
Thyrsodium puberulum 2420
Thyrsodium rondianum 2420
Tripogon oliganthos 1574
Verticordia 895
Vigna 2376
Vigna unguiculata 2374, 2376
Viola 1672
Weinmannia racemosa 1650
Weinmannia silvicola 1650
wild plants 1567
woody plants 2992
Kigelia pinnata
humidity 1020
India 1020
pollination 1020
temperature 1020
Knautia arvensis
evolution, isoenzymes 1723
genetics, isoenzymes 1723
Kochia scoparia
evaluation 1269, 2032
Turkmenistan 1269, 2032
Uzbekistan 1269, 2032
Koeleria eriostachya
new species 838
Romania 838
Korea Democratic People's Republic, *Fagopyrum esculentum* 2257
Korea Republic
Ajuga spectabilis 1679
Camellia japonica 2116
Echinochloa crus-galli 2018
Fagopyrum esculentum 2799
Glycine soja 547
Hibiscus syriacus 2431
Hordeum vulgare 2003
Iris rossii 1686
Lilium 115
Oryza 2164
Oryza glumaepatula 2164
Oryza latifolia 2164
Oryza sativa 2164
Panicum miliaceum 2018
Philadelphus seoulensis 920
Sedum latiovalifolium 2431
Setaria italica 2018
Sisyrinchium angustifolium 1686
Krameria
America 1087
ethnobotany 1087
Europe 1087
medicinal properties 1087
North America 1087
South America 1087
Kraschenninnikovia lanata
seeds
germination 291
temperature 291
Kuwait
angiosperms 195
Bryophyta 195
grasslands 217
Kuwait *cont.*
medicinal plants 733
Lablab purpureus
China 1286
evaluation 1286
India 569
pest resistance, *Rhopalosiphum maidis* 569
tissue culture, regeneration 354
Lactuca saligna
chromosome banding 2840
disease resistance, tomato spotted wilt virus 1432
interspecific hybridization 1432
Lactuca sativa
chromosome banding 2840
disease resistance, tomato spotted wilt virus 1432
germplasm releases, herbicides 2938
interspecific hybridization 1432
seed treatment
dormancy 299
germination 299
seeds
chromosome aberrations 298
cryopreservation 1094
storage 298
viability 298
Lactuca serriola, chromosome banding 2840
Lactuca virosa
chromosome banding 2840
disease resistance, beet western yellows luteovirus 680
Laelia bahiensis
Brazil 1376
characterization 1376
Laeliocattleya, micropropagation 428
Lagarostrobos franklinii
Australia 159
distribution 159
ecology 159
population dynamics 159
Lagenaria siceraria, pest resistance, *Bemisia tabaci* 2845
Land use, grasslands, plant communities 231
Landolphia
Africa 92
Madagascar 92
taxonomy 92
Landolphia kirkii
recalcitrant seeds
cryopreservation 1855
storage 319
viability 319-320
water balance 320
Landraces
Amaranthus caudatus 1235
Amaranthus hypochondriacus 1235
Arachis hypogaea 2861-2862
Beta vulgaris, sugarbeet 2201
Brassica 2072
Cicer arietinum 1297
Citrullus lanatus 581, 1321
Cleome gynandra 2075
Cucumis melo 577
Cucumis sativus 583
Eleusine coracana 1235
Fagopyrum cymosum 1235
Fagopyrum esculentum 1235, 2799-2800
Fagopyrum tataricum 1235, 2800
fodder plants 177
Galega orientalis 2927
genetic erosion 3
Glycine max 2643
Gossypioides 2265
Gossypium 2265
grain legumes 766
Hedysarum 177
Helianthus annuus 2101
Hordeum vulgare 523, 1235, 1250-1251, 1994, 2003
Medicago sativa 177
Oryza sativa 146
Panicum miliare 2162
Pennisetum glaucum 658
breeding 659
stability 659
Phaseolus vulgaris 557, 1731, 2054-2055
Pisum sativum 1745, 2827
Sorghum bicolor 657, 2015
Trifolium pratense 177
Landraces *cont.*
Trifolium repens 177
Triticum aestivum 634, 1994, 2328
Triticum durum 514, 1236-1237, 1964, 1995, 2757, 2782
Triticum polonicum, history 1531
vegetables 2561
Vicia faba 766
Vigna radiata 1732
Zingiber officinale 2131
Larix decidua
Germany 1446
interspecific hybridization 1446
isoenzymes 1360
tissue culture, regeneration 407
Larix eurolepis, tissue culture, cryopreservation 2683
Larix kaempferi
Germany 1446
interspecific hybridization 1446
isoenzymes 1360
Larix occidentalis
embryo culture, regeneration 408
tissue culture, regeneration 1161
Larix sibirica
chromosome morphology 1363
taxonomy 1363
Larix sukaczewii
chemotaxonomy 913
chromosome morphology 1363
Russia 913
taxonomy 1363
Lathyrus
molecular genetics, taxonomy 1930
taxonomy 854, 2372
Lathyrus cicera, tissue culture, regeneration 344
Lathyrus hirticarpus
endangered species 2372
Syria 2372
Lathyrus lanszwertii, taxonomy 51
Lathyrus nevadensis, taxonomy 51
Lathyrus ochrus, tissue culture, regeneration 344
Lathyrus sativus
ecotypes 545
evaluation 545
Italy 545
tissue culture, regeneration 344, 347
Lathyrus vestitus, taxonomy 51
Latin America
Clavija 908
Coccoloba 1627
Coccoloba bullata 1627
Coccoloba cholutecensis 1627
Coccoloba gentryi 1627
Coccoloba johnstonii 1627
Coccoloba ortizii 1627
Coccoloba yaracuyensis 1627
collecting missions 1025
conservation 2311
Couepia rankinae 1639
deforestation 2311
Desmotes 1623
Erythrochiton 1623
genetic resources 1522
Guadua angustifolia 1701
Hirtella trichotoma 1639
Licania cardiophylla 1639
Licania espinae 1639
Licania imbaimadaiensis 1639
Licania stevensii 1639
Licania velutina 1639
Phaseolus vulgaris 556
Phragmotheca 1629
Phragmotheca ecuadorensis 1629
Phragmotheca mammosa 1629
Pleurothyrium 2402
Toxosiphon 1623
tropical forests 798
Zea mays 2351
Latvia, *Syringa* 2767
Lauraceae
biosystematics 93
China 93
evolution 93
Lavandula stoechas, seeds, cryopreservation 1094
Lavatera oblongifolia
endangered species 421, 1164
Spain 1164

Lavatera oblongifolia *cont.*
tissue culture
regeneration 1164
storage 421
Leaves
Achillea lanulosa, genetic variation 1754
Annona 88
Iris illyrica 937
Iris pallida 937
Iris pseudopallida 937
Lecointea hatschbachii
new species 1624
South America 1624
Leersia
collecting missions 1768
South East Asia 1768
Leersia perrieri, tissue culture, regeneration 1864
Legislation (*see also* Breeders' rights)
biodiversity 1510
conservation 808
endangered species 32, 2310
forests 2324
gene banks 802
genetic resources 802, 805, 1500
quarantine 1456
subsistence farming 2318
Legumes
evolution 724
taxonomy 724
West Asia 724
Leguminosae
checklists 2347
collections 1227
distribution 2346
gene banks 1227
India 2347
Mexico 2346
Philippines 1227
seeds
collections 1101
storage 1101
surveys 2347
Lens, taxonomy 854
Lens culinaris
breeding 2174
collections 2047
cytology 1560
domestication 2489
Egypt 2057
evaluation 2047, 2057
evolution 1560
genetic resources 721, 755
genetic variation
isoenzymes 150
proteins 150
India 1464
Mediterranean countries 755
seeds
drying 1106
germination 289
pea seed-borne mosaic potyvirus 1464
storage 289
Spain 150
Syria 721, 2047
taxonomy 1560
West Asia 755
Lens nigricans
genetic variation
isoenzymes 150
proteins 150
Spain 150
Leonotis leonurus
Africa 2877
essential oils 2877
Europe 2877
medicinal properties 2877
ornamental value 2877
Leopoldinia piassaba
Brazil 2618
minor forest products 2618
rural economy 2618
Lepanthes atwoodii
new species 119
South America 119
Lepanthes barbatula
new species 119
South America 119
Lepanthes calyptrata
new species 119
Lepanthes calyptrata *cont.*
South America 119
Lepanthes cordeliae
new species 119
South America 119
Lepanthes endresii
new species 119
South America 119
Lepanthes hastata
new species 119
South America 119
Lepanthes ingramii
new species 119
South America 119
Lepanthes ligulata
new species 119
South America 119
Lepanthes llipiensis
new species 119
South America 119
Lepanthes pycnogenia
new species 119
South America 119
Lepanthes recurva
new species 119
South America 119
Lepanthes ringens
new species 119
South America 119
Lepidopetalum fructoglabrum
India 902
keys 902
Papua New Guinea 902
South East Asia 902
taxonomy 902
Lepidopetalum micans
India 902
keys 902
Papua New Guinea 902
South East Asia 902
taxonomy 902
Lepidopetalum montanum
India 902
keys 902
Papua New Guinea 902
South East Asia 902
taxonomy 902
Lepidopetalum perrottetii
India 902
keys 902
Papua New Guinea 902
South East Asia 902
taxonomy 902
Lepidopetalum subdichotomum
India 902
keys 902
Papua New Guinea 902
South East Asia 902
taxonomy 902
Lepidopetalum xylocarpum
India 902
keys 902
Papua New Guinea 902
South East Asia 902
taxonomy 902
Lepista nuda
hybridization 710
utilization 710
Lepista saeva
hybridization 710
utilization 710
Lepista sordida
hybridization 710
utilization 710
Leptocereus santamarinae
Cuba 1620
keys 1620
new species 1620
Leptochiton
Peru 2451
taxonomy 2451
Leptochloa fusca, tissue culture, regeneration 1864
Leptorhynchos squamatus
Australia 2661
seeds, storage 2661
Leptospermum namadgiensis
Australia 2433
new species 2433
Leptosphaeria maculans
Brassica napus
disease resistance 1345
genetics 1345
Lepturus calcareus
keys 1574
new species 1574
Saudi Arabia 1574
Lesotho
crops 173
Oryza sativa 173
Pennisetum glaucum 173
Phaseolus vulgaris 173
Sorghum bicolor 173
Vigna 173, 182
Vigna subterranea 173
Vigna unguiculata 173, 182
Zea mays 173
Lespedeza capitata
cleistogamy 1002
gene flow 1002
Lespedeza cuneata, seed treatment, germination 290
Lespedeza leptostachya
cleistogamy 1002
endangered species 1002
gene flow 1002
USA 1002
Lettuce infectious yellows virus
Cucumis melo, disease resistance 578
Cucumis prophetarum, disease resistance 578
Leucadendron, South Africa 1115
Leucadendron xanthoconus, seed banks, germination 1115
Leucinodes orbonalis
Solanum anomalum, pest resistance 2083
Solanum gilo, pest resistance 2083
Solanum melongena, pest resistance 2083
Leveillula taurica
Capsicum annuum
disease resistance 2946
genetics 2946
Leymus
breeding 660
China 2033
disease resistance
barley yellow dwarf luteovirus 540
Erysiphe graminis 540
evaluation 2033
Pakistan 2033
Sweden 2033
Leymus chinensis
China 210, 540
drought resistance 540
environmental degradation 210
grazing 210
salt tolerance 540
Leymus multicaulis, chromosome transmission 449
Leymus secalinus
China 540
drought resistance 540
Libraries, Canada 2905
Licania cardiophylla
Latin America 1639
new species 1639
Licania cidii
Brazil 882
new species 882
Licania espinae
Latin America 1639
new species 1639
Licania imbaimadaiensis
Latin America 1639
new species 1639
Licania jaramilloi
Colombia 882
new species 882
Licania pittieri
new species 882
Venezuela 882
Licania stevensii
Latin America 1639
new species 1639
Licania vasquezii
new species 882
Peru 882
Licania velutina
Latin America 1639
new species 1639

Light
Caesulia axillaris, seeds 323
Eragrostis lehmanniana, seeds 282
Pennisetum polystachion, seeds 277
Lilium
distribution 115
Korea Republic 115
Lilium longiflorum
distribution 162
ecotypes 162
multivariate analysis 162
Taiwan 162
Lilium testaceum, tissue culture, glucomannans 482
Limnanthes floccosa
endangered species 1748
gene flow 1748
population genetics 1748
USA 1748
Limonium estevei
endangered species 1893
tissue culture 1893
Lindera benzoin, sexual reproduction 1021
Linkage
Avena atlantica 1182
Avena hirtula 1182
Capsicum 1436
Lycopersicon, isoenzymes 2941
Linum alpinum, tissue culture, regeneration 1153
Linum amurense, tissue culture, regeneration 1153
Linum hologynum, tissue culture, regeneration 1153
Linum perenne, tissue culture, regeneration 1153
Linum usitatissimum
China 1047
collecting missions 1047
flax, molecular genetics 1948
seeds, moisture content 2651
Lipaphis erysimi, *Brassica juncea*, pest resistance 591
Lipids, crops, seeds 263
Liquidambar styraciflua, micropropagation 401
Liriodendron chinense, embryo culture, regeneration 1892
Liriodendron tulipifera, embryo culture, regeneration 1892
Liriope spicata
China 2114
chromosome morphology 2114
chromosome number 2114
Litchi chinensis
recalcitrant seeds
cryopreservation 306
storage 306
viability 306
seeds
germination 2650
storage 2650
Lithops, taxonomy, isoenzymes 2467
Livistona
chromosome morphology 2335
cytotaxonomy 2335
evolution 2335
Lobelia bridgesii
Chile 928
chromosome number 928
taxonomy 928
Lobelia cardinalis, inbreeding depression 170
Lobelia excelsa
Chile 928
chromosome number 928
taxonomy 928
Lobelia loochooensis
endangered species 2441
Japan 2441
taxonomy 2441
Lobelia organensis
Brazil 1371
characterization 1371
Lobelia polyphylla
Chile 928
chromosome number 928
taxonomy 928
Lobelia siphilitica, inbreeding depression 170
Lobelia tupa
Chile 928
chromosome number 928
taxonomy 928
Lolium
collecting missions 174
evaluation 174
Lolium perenne
ecotypes 2806
evaluation 1276
France 1276, 2806
genotype environment interaction 2806
seeds, air drying 264
tissue culture
flowering 338
tillering 338
wild relatives 1276
Lolium* × *Triticum
evaluation 2154
intergeneric hybridization 2154
Poland 2154
Loncera
distribution 870
taxonomy 870
Lonchocarpus crassispermis
new species 95
Venezuela 95
Lonchocarpus imatacensis
new species 95
Venezuela 95
Lonchocarpus tubicalyx
taxonomy 95
Venezuela 95
Lonicera
centres of origin 1601
China 1601
chromosome morphology 2439
chromosome number 2439
collections 1340
cytotaxonomy 2439
distribution 1601
evaluation 1340
polyploidy 1601
Russia 1340, 1601
Lonicera nigra
evaluation 2115
interspecific hybridization 2115
Poland 2115
Lonicera xylosteum
evaluation 2115
interspecific hybridization 2115
Poland 2115
Lophopyrum, numerical taxonomy 2360
Lotus
aneuploidy 1714
cytology 1714
evolution 1714
pollen 2371
Spain 1284
taxonomy 1284, 2371
Lotus corniculatus
Denmark 2518
evolution 35
France 35
gene flow 2518
polyploidy 35
population genetics 2518
seeds, air drying 264
Lotus tenuis, seeds, air drying 264
Low input agriculture (*see also* Sustainability)
Ludwigia
keys 906
taxonomy 906
Ludwigia anastomosans
keys 906
taxonomy 906
Lupinus
anthers, taxonomy 845
collecting missions 2558
endangered species 2558
Morocco 2558
seeds
germination 289
storage 289
Lupinus albus 2213
Azores 1036
collecting missions 1036
combining ability, yield components 667
embryo culture 666
regeneration 342
Lupinus albus *cont.*
France 667
interspecific hybridization 666
Morocco 667
seed treatment, vigour 261
seeds, *Pleiochaeta setosa* 2213
Lupinus angustifolius
Belarus 2926
breeding 2926
collecting missions 2558
embryo culture 666
regeneration 342
endangered species 2558
interspecific hybridization 666
Morocco 2558
Lupinus atlanticus
collecting missions 2558
endangered species 2558
Morocco 2558
Lupinus cosentinii
collecting missions 2558
endangered species 2558
Morocco 2558
Lupinus hartwegii
embryo culture 666
interspecific hybridization 666
Lupinus hispanicus
embryo culture 666
interspecific hybridization 666
Lupinus luteus
Azores 1036
collecting missions 1036
embryo culture 666
regeneration 342
interspecific hybridization 666
tissue culture, regeneration 1131
Lupinus mutabilis
embryo culture 666
regeneration 342
interspecific hybridization 666
Lupinus polyphyllus
embryo culture, regeneration 342
tissue culture, regeneration 1132
Lupinus texensis
USA 2962
varieties, Abbott Pink 2962
Luteus angustifolius, tissue culture, regeneration 1131
Luteus polyphyllus, tissue culture, regeneration 1131
Luzula parviflora
genetic variation, seed banks 2514-2515
USA 2514-2515
Lycaste candida
Central America 2457
taxonomy 2457
Lycopersicon
catechol oxidase 2830
gene expression, salt tolerance 2842
genetic resources 1505
genetics, regenerative ability 2939
herbicide resistance 2080
interspecific hybridization 2942
linkage, isoenzymes 2941
plant hairs 2830
protoplast fusion 2942
Lycopersicon cericelifollium
drought resistance 2082
interspecific hybridization 2082
Lycopersicon cheesmanii
disease resistance
Fusarium oxysporum 2081
tomato yellow leaf curl bigeminivirus 684
Ecuador 2941
genetic variation, isoenzymes 2079
interspecific hybridization 2941
salt tolerance 2077
Lycopersicon chilense
disease resistance, *Fusarium oxysporum* 2081
gene expression, drought resistance 1940
genetic variation, isoenzymes 2079
molecular genetics, drought resistance 1940
protoplasts, regeneration 1876
Lycopersicon chmielewskii
development
fruits 2078
sucrose synthase 2078
genetic variation, isoenzymes 2079

Lycopersicon esculentum
cold resistance 1318, 2940
disease resistance
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
tobacco mosaic tobamovirus 2940
tomato spotted wilt tospovirus 1319, 1435, 2940
tomato yellow leaf curl bigeminivirus 684
drought resistance 2082
evolution, photosynthesis 977
fruits 2841
genetic markers, *Meloidogyne* 1193
genetic variation, isoenzymes 2079
genetics, tomato spotted wilt tospovirus 1435
heat shock proteins 683
herbicide resistance 2080
heritability, salt tolerance 2944
interspecific hybridization 682-683, 1139, 1435, 2082, 2185, 2540, 2939, 2943-2944
Lycopersicon peruvianum
embryo culture 1433-1434
interspecific hybridization 1433-1434
tissue culture 1433
molecular genetics 682
pest resistance
Meloidogyne 1193
Meloidogyne incognita 2185
Phytophthora infestans 1317
plant composition 2841
pollen germination 2540
protoplast fusion 2940, 2943
random amplified polymorphic DNA 2722
restriction fragment length polymorphism 2722
Meloidogyne 1193
salt tolerance 1982, 2077
Septoria lycopersici 1317
somaclonal variation 2943
South America 2722
tissue culture, regeneration 1139
Lycopersicon hirsutum
cold resistance 1318
disease resistance
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
Fusarium oxysporum 2081
tomato spotted wilt tospovirus 1319, 1435
Fusarium oxysporum 1317
genetics, tomato spotted wilt tospovirus 1435
interspecific hybridization 1435
Phytophthora infestans 1317
Septoria lycopersici 1317
tissue culture, regeneration 365
Xanthomonas campestris 1317
Lycopersicon parviflorum, genetic variation, isoenzymes 2079
Lycopersicon pennellii
genetic variation, isoenzymes 2079
heat shock proteins 683
interspecific hybridization 682-683, 2941
molecular genetics 682
salt tolerance 2077
Lycopersicon peruvianum
cold resistance 2940
disease resistance
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
Fusarium oxysporum 2081
tobacco mosaic tobamovirus 2940
tomato spotted wilt tospovirus 1319, 1435, 2940
tomato yellow leaf curl bigeminivirus 684
fruits 2841
Fusarium oxysporum 1317
gene expression, proteinase inhibitors 2706
genetic markers, *Meloidogyne* 1193
genetic transformation 1195
genetic variation, isoenzymes 2079
genetics
Meloidogyne incognita 2076
tomato spotted wilt tospovirus 1435
Lycopersicon peruvianum *cont.*
interspecific hybridization 1435, 2185, 2540, 2939, 2943
Lycopersicon esculentum
embryo culture 1433-1434
interspecific hybridization 1433-1434
tissue culture 1433
molecular genetics
proteinase inhibitors 1194
self compatibility 2721
self incompatibility 1908
pest resistance
Manduca sexta 2706
Meloidogyne 1193
Meloidogyne incognita 2076, 2185
plant composition 2841
pollen germination 2540
protoplast fusion 2940, 2943
Pseudomonas syringae 1317
restriction fragment length polymorphism, *Meloidogyne* 1193
salt tolerance 1982, 2077
somaclonal variation 2943
Xanthomonas campestris 1317
Lycopersicon pimpinellifolium
disease resistance
Clavibacter michiganensis 1317
cucumber mosaic cucumovirus 1317
Fusarium oxysporum 2081
tomato yellow leaf curl bigeminivirus 684
Fusarium oxysporum 1317
genetic variation, isoenzymes 2079
heritability, salt tolerance 2944
interspecific hybridization 1139, 2944
Phytophthora infestans 1317
Pseudomonas syringae 1317
Septoria lycopersici 1317
tissue culture, regeneration 1139
Xanthomonas campestris 1317
Lycopersicon* (×) *Solanum
cytoplasmic male sterility 469
DNA probes 685
protoplast fusion 469, 681, 685, 1424
restriction fragment length polymorphism 685
Lycopodiastrum casuarinoides
China 2128
medicinal properties 2128
Lycopodium centro-chinense
China 2128
medicinal properties 2128
Lycopodium japanicum
China 2128
medicinal properties 2128
Lycopodium obscurum
China 2128
medicinal properties 2128
Lyperia
keys 1671
taxonomy 1671
Macadamia jansenii
Australia 1604
new species 1604
Machaeranthera, chloroplast genetics, taxonomy 1206
Machilus
chemotaxonomy 98
Taiwan 98
Macleania rupestris
Colombia 2850
distribution 2850
fruits 2850
Macrolobium cidii
new species 1624
South America 1624
Macrophomina phaseolina
Arachis hypogaea, seeds 1473
Vigna unguiculata, disease resistance 2062
Macroptilium, chloroplast genetics, evolution 2716
Macroptilium atropurpureum
disease resistance
Oidium 2820
Phaeoisariopsis griseola 2820
Rhizoctonia solani 2820
Uromyces appendiculatus 2820
Macrotyloma
domestication
fruits 139
Macrotyloma *cont.*
domestication *cont.*
seeds 139
Madagascar
Ardisia 2413
Ardisia marojejyensis 2413
Baphia madagascariensis 851
Coffea homollei 1606
Coffea kianjavatensis 1606, 2109
Coffea lancifolia 1606
Landolphia 92
Mascarocoffea 1606
Solanaceae 822
Stenandrium 2442
Madhuca longifolia, tissue culture, regeneration 2676
Madia sativa
distribution 1083
ethnobotany 1083
South America 1083
Magnolia biondii
China 1365
evaluation 1365
USA 1365
Magnolia cordata, embryo culture, regeneration 1892
Magnolia fraseri, embryo culture, regeneration 1892
Magnolia macrophylla, embryo culture, regeneration 1892
Magnolia virginiana, embryo culture, regeneration 1892
Maintenance, *Pennisetum glaucum,* germplasm 658
Maize dwarf mosaic potyvirus, *Zea mays,* disease resistance 1256, 2160
Majorana *(see Origanum)*
Malaysia
Adenanthera 110
Adenanthera kostermansii 110
Adenanthera marina 110
Cocos nucifera 1224
crops 1026, 1213
Dendrochilum karoense 117
Dendrochilum mirabile 117
Dendrochilum suratii 117
Dinochloa robusta 959
Elaeis guineensis 2146
forests 2595
medicinal plants 255
Metroxylon sagu 2210
Mucuna 846
Oryza sativa 1213
Palmae 1494
Sindora velutina 2874
Spatholobus latibractea 961
vegetables 1771
wild plants 610
Male sterility *(see also* Cytoplasmic male sterility)
Solanum phureja 1760
Triticum aestivum, genetics 2917
Mali, forests 2611
Maloideae, fruits, taxonomy 80
Malus
China 1772
distribution, books 1490
evolution, books 1490
fruits, taxonomy 80
genomes 2381
micropropagation 1142
surveys 1772
taxonomy, books 1490
Malus floribunda, disease resistance, *Venturia inaequalis* 587
Malus paradisiaca, tissue culture, cryopreservation 1141
Malus pumila
disease resistance, *Venturia inaequalis* 587
mitochondrial genetics, taxonomy 2724
seed dormancy 305
seed treatment 305
dormancy 304
germination 304
tissue culture, cryopreservation 1141
Malus zhaojiaoensis
China 1597
new species 1597
Mammillaria deherdtiana
Mexico 2464

Mammillaria deherdtiana *cont.*
taxonomy 2464
Mammillaria herrerae
endangered species 2465
Mexico 2465
taxonomy 2465
Mammillaria san-angelensis
endangered species 1891
tissue culture, regeneration 1891
Mandevilla, micropropagation 410
Manduca sexta
Lycopersicon peruvianum, pest resistance 2706
Nicotiana tabacum, pest resistance 2706
Manganese, *Triticum aestivum* 2776
Mangifera indica
ovule culture 1387
recalcitrant seeds
cryopreservation 306
storage 306
viability 306
Manihot, interspecific hybridization 2930
Manihot epruinosa
interspecific hybridization 2930
polyploidy 2930
Manihot esculenta
Africa 2503, 2967
anther culture 1386
biotechnology 1936
Brazil 769
breeding 2935, 2967
collections 749, 769
Colombia 1936, 2935
descriptors 2068
disease resistance
African cassava mosaic bigeminivirus 2930
Xanthomonas campestris 2930
genetic resources 769
genetic variation, isoenzymes 2503
genetics, isoenzymes 2833
in vitro culture, cryopreservation 1120
interspecific hybridization 1429, 2930
Papua New Guinea 749
polyploidy 1429, 2930
quarantine, germplasm 2967
South America 2967
tissue culture, regeneration 355
Manihot glaziovii
Africa 2503
disease resistance
African cassava mosaic bigeminivirus 2930
Xanthomonas campestris 2930
genetic variation, isoenzymes 2503
genetics, isoenzymes 2833
interspecific hybridization 2930
polyploidy 2930
seed treatment, germination 1853
Manihot pseudoglaziovii
interspecific hybridization 1429
polyploidy 1429
Manihot tristis
India 2669
tissue culture 2669
Maquira
cardiac glycosides 2621
ethnobotany 2621
South America 2621
Marlierea mesoamericana
Costa Rica 2410
new taxa 2410
Mascarocoffea
chemotaxonomy 1606
Madagascar 1606
Masdevallia goliath
new species 122
South America 122
Masdevallia mascarata
new species 122
South America 122
Masdevallia ricii
new species 122
South America 122
Matricaria *(see also Chamomilla)*
Mauritius, medicinal plants 252
Mayetiola destructor
Aegilops squarrosa
pest resistance 1915
restriction fragment length polymorphism 1915
Mayetiola destructor *cont.*
Triticum aestivum
pest resistance 1915
restriction fragment length polymorphism 1915
Maytenus emarginata
India 398
tissue culture, regeneration 398
Medicago
Australia 1986
breeding 2169
chemotaxonomy 2369
collecting missions 1282
descriptors 1283
distribution 67-68
ecotypes 1282
Egypt 1488
embryo culture 2172, 2715
evaluation 1273, 1282
genetic erosion 67
genetic resources 1488
interspecific hybridization 2172
Israel 1786
Morocco 67-68, 1282
plant communities 1786
plant introduction 1986
random amplified polymorphic DNA 2715
West Asia 1273
Medicago borealis
cold resistance 664
interspecific hybridization 664
polyploidy 664
Medicago coerulea
breeding 1415
history 1415
protoplast fusion 665
Sweden 1415
Medicago daghestanica, interspecific hybridization 2715
Medicago falcata, interspecific hybridization 664
Medicago glutinosa
breeding 1415
history 1415
Sweden 1415
Medicago laciniata
Australia 2812
distribution 68
evaluation 2812
Morocco 68
Medicago lesinii
evolution 1711
isoenzymes 1711
Medicago littoralis
distribution 68
Morocco 68
Medicago lupulina
chromosome number 2359
Mongolia 2359
taxonomy 2359
Medicago minima
Australia 2812
distribution 68
evaluation 2812
Morocco 68
Medicago monantha
Asia 1580
distribution 1580
numerical taxonomy 1580
Medicago murex
ecotypes 543
evolution 1711
isoenzymes 1711
nodulation 543
soil pH 543
Medicago orbicularis
seed banks 1852
seed treatment, germination 1852
Syria 1852
Medicago pironae, interspecific hybridization 2715
Medicago polymorpha
Australia 2812
distribution 67
evaluation 2812
Italy 1867
Morocco 67
tissue culture, regeneration 1867
Medicago rigidula
seed banks 1852
Medicago rigidula *cont.*
seed treatment, germination 1852
seeds, air drying 264
Syria 1852
Medicago rotata
seed banks 1852
seed treatment, germination 1852
Syria 1852
Medicago rupestris, interspecific hybridization 2715
Medicago sativa
breeding 1415
China 1274
collecting missions 177
disease resistance, *Peronospora trifoliorum* 2811
embryo culture 2172
fatty acids 166
genetic erosion 177
history 1415
interspecific hybridization 2172, 2715
Italy 177
landraces 177
pollen 166
pollination 166
protoplast fusion 665
quality 1281
Russia 1281, 1420
salt tolerance 1274
seed injury, germination 288
Sweden 1415
tissue culture
cold resistance 336
regeneration 336, 341, 663, 1420
Medicago truncatula
Australia 2812
distribution 67-68
ecotypes 543
evaluation 2812
Morocco 67-68
nodulation 543
soil pH 543
Medicago varia
interspecific hybridization 664
quality 1281
Russia 1281
Medicinal plants
antibacterial properties 2885-2886
antibiotics 2885
antifungal properties 2886
antimalarials 1837, 2889
antiprotozoal agents 1834, 2886
biotechnology 2707
Brazil 253, 1837, 2889
distribution, books 733
ethnobotany 251-255, 257, 1088, 1833-1834, 1836-1839, 2616, 2620, 2622-2623
books 733, 2979
genetic erosion 254
genetic resources 2707
Guatemala 251, 1839
India 1088, 2622, 2707
Indonesia 254
Italy 1833
Kuwait 733
Malaysia 255
Mauritius 252
Mexico 2886
New Caledonia 1836
Oman 2623
Pakistan 1838
primary health care 1839
Rwanda 1834
Vanuatu 1836, 2620
Medicinal properties
Acacia nilotica 1835
Achillea fragrantissima 256
Adhatoda vasica 1835
Anabasis articulata 256
Artemisia herba-alba 256
Asphodelus microcarpus 256
Azadirachta indica 2619
Brosimum acutifolium 253
Changnienia amoena 1696
Cleome droserifolia 256
Coleus amboinicus 2899
Coleus forskohlii 253
Corydalis 1683
Corydalis glaucescens 1683
Corydalis ledebouriana 1683

Medicinal properties *cont.*
Corydalis shanginii 1683
Croton megalobotrys 257
Dioscorea 2069
Dioscorea alata 2070
Dioscorea fordii 2070
Dioscorea persimilis 2070
Diphasiastrum complanatum 2128
Dorstenia asaroides 253
Ehretia cymosa 2111
Enantia chlorantha 602
Euphorbia calyptrata 2887
Gardenia tahitensis 2878
Ginkgo biloba 2872
Hammada salicornica 256
Hibiscus rosa-sinensis 1835
Hypoxis 1831
Hyptis 253
Icacina senegalensis 2884
Jatropha 2883
Krameria 1087
Leonotis leonurus 2877
Lycopodiastrum casuarinoides 2128
Lycopodium centro-chinense 2128
Lycopodium japanicum 2128
Lycopodium obscurum 2128
Moringa oleifera 1835
Nicotiana glauca 256
Palhinhaea cernua 2128
Penstemon serrulatus 1204
Petivera alliacea 253
Phyllanthus 1832
Psychotria colorata 253
Retama retama 256
Scutellria 253
Sindora velutina 2874
Sophora flavescens 1955
Sutherlandia frutescens 1665
Taxus baccata 2305
Taxus brevifolia 2305
Taxus wallichiana 2305
Thymelaea hirsuta 256
Tithonia diversifolia 2129
Mediterranean countries
Abies alba 39
Abies borisii-regis 39
Abies bornmuelleriana 39
Abies cephalonica 39
Abies equi-trojani 39
Aegilops caudata 164
Avena sterilis 2007
Brassica 1592
Brassica cretica 1592
Brassica oleracea 1592
Cicer arietinum 755
crops 1026
Festuca arundinacea 2807
fodder legumes 755, 764, 1483
grain legumes 1483
Hordeum vulgare 2485
Lens culinaris 755
Orchis sancta 2454
Ornithogalum 1566
Ornithogalum algeriense 1566
Ornithogalum umbellatum 1566
Pisum sativum 755
Sedum 820
Stipa 2362
Trifolium subterraneum 2488
Triticum durum 2485
Vicia faba 755
Meiosis
Aegilops bicornis 644
Aegilops longissima 644
Aegilops searsii 644
Aegilops speltoides 644
Aegilops umbellulata 644
Aegilops variabilis 644
Asparagus adscendens 574
Asparagus densiflorus 574
Asparagus gonoclados 574
Asparagus laevissimus 574
Asparagus officinalis 574
Asparagus racemosus 574
Asparagus virgatus 574
Capsicum baccatum 686
Capsicum frutescens 686
Cicer arietinum 2059
Cicer reticulatum 2059
Elymus 2361
Elymus caucasicus 2361
Meiosis *cont.*
Elymus longearistatus 2361
Hordeum × *Secale* 648
Pilocarpus pennatifolius 2892
Solanum, tuberous species 2067
Melaleuca
Australia 2401
endangered species 2401
taxonomy 2401
Melampodium divaricatum
ethnobotany 251
Guatemala 251
***Melia azedarach*,** tissue culture, regeneration 1888
Melilotus
cytology 1713
evolution 1713
tissue culture 1130
***Melilotus alba*,** tissue culture 1130
***Melilotus altissima*,** tissue culture 1130
***Melilotus dentata*,** tissue culture 1130
***Melilotus indica*,** tissue culture 1130
***Melilotus infesta*,** tissue culture 1130
***Melilotus italica*,** tissue culture 1130
***Melilotus officinalis*,** tissue culture 1130
***Melilotus polonica*,** tissue culture 1130
Melilotus suaveolens
China 1274
salt tolerance 1274
Meliosma pumila
new species 898
Peru 898
Meliosma simiarum
new species 898
Peru 898
Meliosma sirensis
new species 898
Peru 898
Meliosma youngii
new species 898
Peru 898
Mellettia rigens
Indochina 1586
taxonomy 1586
Thailand 1586
Melocactus conoideus
Brazil 800
conservation 800
endangered species 800
***Melocanna bambusoides*,** India 2900
Meloidogyne
Cucumis metuliferus, pest resistance 585, 1328
Cucumis sativus, pest resistance 585, 1328
Lycopersicon esculentum
genetic markers 1193
pest resistance 1193
restriction fragment length polymorphism 1193
Lycopersicon peruvianum
genetic markers 1193
pest resistance 1193
restriction fragment length polymorphism 1193
Meloidogyne arenaria
Nicotiana repanda, pest resistance 2203
Nicotiana tabacum, pest resistance 2203
Meloidogyne incognita
Lycopersicon esculentum, pest resistance 2185
Lycopersicon peruvianum
genetics 2076
pest resistance 2076, 2185
Mentha
chemotaxonomy 2476
cytology 1725
evolution 1725
gene banks 1981
polyploidy 1725
USA 1981
Mentha caucasica
essential oils 707
interspecific hybridization 707
Mentha haplocalyx
essential oils 707
interspecific hybridization 707
Mentha incana
essential oils 707
interspecific hybridization 707
Mentha royleana
essential oils 707
interspecific hybridization 707
Mentha sachalinensis
essential oils 707
interspecific hybridization 707
Meristotropis
evolution 2340
taxonomy 2340
Merostachys burmanii
Brazil 958
new species 958
Merostachys latifolia
Central America 837
new species 837
Merremia
Central Africa 1676
keys 1676
taxonomy 1676
Merxmuellera setacea
new species 60
South Africa 60
Metribuzin, *Glycine soja*, genetics 549
***Metrosideros collina*,** micropropagation 410
***Metrosideros excelsa*,** micropropagation 410
Metroxylon
Papua New Guinea 250
traditional farming 250
Metroxylon sagu
collections 749
Indonesia 2210
Malaysia 2210
Papua New Guinea 749
utilization 2210
Mexico
Acacia chamelensis 2400
Agave 2110
Alophia veracruzana 934
Aztekium ritteri 1168
breeders' rights 1550
Caesalpinia macvaughii 910
Capsicum annuum 1192
Capsicum chinense 1192
Capsicum frutescens 1192
Coccoloba ortizii 1627
Cocos nucifera 2492
Cupressus lusitanica 1655
Dasylirion 2110
Echinocactus platyacanthus 1086
ferns 2768
Ferocactus histrix 1086
flora 2577
Gliricidia sepium 2531
Helianthus annuus 187
Helianthus niveus 187
Helianthus petiolaris 187
Helianthus similis 187
Hesperaloe 2110
Jatropha martinezii 905
Juniperus monticola 1656
Leguminosae 2346
Mammillaria deherdtiana 2464
Mammillaria herrerae 2465
medicinal plants 2886
Mexipedium 1693
Muhlenbergia cualensis 842
Muhlenbergia michisensis 842
Nolina 2110
Passiflora juliana 874
Passiflora oaxacensis 874
Passiflora xiikzodz 874
Physalis pruinosa 1602
Pinus 2337, 2423
Prunus armeniaca 2847
Quercus 2393
Quercus coahuilensis 2396
Quercus hintoniorum 2396
Quercus hypoxantha 2396
Quercus mcvaughii 886
Quercus miquihuanensis 2396
rain forests 2332
Schiedeella romeroana 1697
Sechiopsis 79
Sechiopsis diptera 79
Sechiopsis distincta 79
Sechiopsis laciniatus 79
Sechium chinantlense 862
Sechium hintonii 78
Sedum ebracteatum 2470
Sedum glabrum 2470
Sedum hemsleyanum 2470

Mexico *cont.*
Sedum hintonii 2470
Solanum, tuberous species 36, 467, 2067
Triticum 740
Triticum aestivum 627, 1240
Yucca 2110
Zea diploperennis 2253
Zea mays 2791-2792
Mexipedium
Mexico 1693
new taxa 1693
Mezzettia curtisii
Andaman and Nicobar Islands 2408
taxonomy 2408
Miconia
checklists 904
Costa Rica 904
distribution 904
Miconia friedmaniorum
Costa Rica 2411
new species 2411
Microcharis nematophylla
new species 1581
Somalia 1581
Microcyclus ulei, *Hevea*, quarantine 1449
Micronesia
Piper methysticum 1382
Piper wichmannii 1382
Micropropagation 327, 1122
(*see also In vitro* culture; Tissue culture)
Arctostaphylos uva-ursi 412
Artemisia pallens 1901
Asplenium nidus 432
Bambuseae 2700
Brassolaeliocattleya 428
Corylus avellana 2674
Cupressus sempervirens 409
Diuris longifolia 2691
Eucalyptus 332, 392
Eucalyptus ficifolia 410
Hedera helix 332
Hevea brasiliensis 332
Laeliocattleya 428
Liquidambar styraciflua 401
Malus 1142
Mandevilla 410
Metrosideros collina 410
Metrosideros excelsa 410
Morus laevigata 375
Morus nigra 410
Nephrolepis exaltata 429
Penstemon serrulatus 2687
Phebalium equestre 415
Phebalium hillebrandii 415
Rhododendron 410
Saccharum officinarum 1151
Salix 332
Sequoia sempervirens 332
techniques 1123
Vitis vinifera 332
Ziziphus sativa 1147
Microseris bigelovii
Canada 1009, 1205
gene flow 1009
population genetics 1009, 1205
random amplified polymorphic DNA 1205
USA 1009, 1205
Microstegium vimineum
plant competition, endangered species 1813
plant introduction 1813
USA 1813
Middle East
Cucumis melo 2605
quarantine 1458
Sorghum bicolor 2016
Milium effusum
cytology 138
evolution 138
polyploidy 138
Milium montianum
cytology 138, 975
evolution 138, 975
polyploidy 138
Spain 975
Milium vernale
cytology 138
evolution 138
polyploidy 138
Millets
subsistence farming 1826
Zimbabwe 1826
Mimosa
Caribbean 1495
South America 1495
taxonomy, books 1495
Mimosa pedalis
South America 1624
taxonomy 1624
Mimulus bhutanicus
Nepal 2448
new species 2448
Mimulus karakormianus
Nepal 2448
new species 2448
Mineral content, grasslands 196
Minor forest products
forest trees, economics 2207
forests 1084, 2606, 2611
India 2613-2614
Leopoldinia piassaba 2618
multipurpose trees 2604
Palmae 2615
rain forests 795, 2608, 2610, 2612
rural economy 2613-2614
tropical forests, books 1491
woody plants, economics 2207
Miscanthidium* × *Saccharum, intergeneric hybridization 702
Miscanthus
collecting missions 1045
cytology 1443
Indonesia 1045
intergeneric hybridization 1443
Miscanthus floridulus
pest resistance, *Eoreuma loftini* 594
soil toxicity 1280
Taiwan 1280
Miscanthus transmorrisonensis
soil toxicity 1280
Taiwan 1280
Miscanthus* × *Saccharum, intergeneric hybridization 702, 2958
Mitochondrial genetics
Aegilops, evolution 1180
Beta maritima, cytoplasmic male sterility 1945
Brassica, taxonomy 1943
Glycine soja 551
Malus pumila, taxonomy 2724
Nicotiana rustica 2202
Nicotiana tabacum 2202
Oryza
evolution 1926
taxonomy 1926
Pinus attenuata 2731
Pinus banksiana, taxonomy 2730
Pinus contorta, taxonomy 2730
Pinus muricata 2731
Pinus radiata 2731
Populus
adenosinetriphosphatase 1949
cytochrome-*c* oxidase 1949
Sinapis, taxonomy 1943
Triticum, evolution 1180
Mixoploidy, Asclepiadaceae 1377
Moisture content
Brassica napus, rape 2651
Linum usitatissimum, seeds 2651
Sinapis alba, seeds 2651
Molecular genetics
Acacia albida, taxonomy 1950
Acacia bidwillii, taxonomy 1950
Acacia boliviana, taxonomy 1950
Acacia melanoxylon, taxonomy 1950
Acacia pycnantha, taxonomy 1950
Acacia senegal, taxonomy 1950
Acacia ulicifolia, taxonomy 1950
Aegilops
evolution 1913
numerical taxonomy 1913
Aegilops comosa
evolution 1914
genomes 1914
Aegilops markgraffii 453
Aegilops squarrosa
gliadin 519
glutenins 519
Aegilops umbellulata
evolution 1914
Molecular genetics *cont.*
Aegilops umbellulata cont.
genomes 1914
Agaricus bisporus 492
Beta patellaris 477
Beta vulgaris 477
evolution 1201
books 2237
Cucumis, taxonomy 2723
Dasypyrum
evolution 1913
numerical taxonomy 1913
evolution 2705
forest trees, breeding 2727
gene banks 2704
Gibasis consobrina, evolution 494
Gibasis karwinskyana, evolution 494
Hordeum, books 741
Hordeum brevisubulatum, evolution 2710
Hordeum chilense, evolution 2710
Hordeum murinum, evolution 2710
Hordeum spontaneum 458
Hordeum vulgare
evolution 455, 1913
numerical taxonomy 1913
salt tolerance 1912
Ipomopsis aggregata, taxonomy 1953
Ipomopsis macrosiphon, taxonomy 1953
Lathyrus, taxonomy 1930
Linum usitatissimum, flax 1948
Lycopersicon chilense, drought resistance 1940
Lycopersicon esculentum 682
Lycopersicon pennellii 682
Lycopersicon peruvianum
proteinase inhibitors 1194
self compatibility 2721
self incompatibility 1908
Nicotiana alata, self incompatibility 1908
Oryza australiensis
genomes 1924
taxonomy 1924
Oryza brachyantha
genomes 1924
taxonomy 1924
Oryza latifolia
genomes 1924
taxonomy 1924
Oryza minuta
genomes 1924
taxonomy 1924
Oryza nivara
genomes 1924
taxonomy 1924
Oryza officinalis
genomes 1924
taxonomy 1924
Oryza punctata
genomes 1924
taxonomy 1924
Oryza rufipogon
genomes 1924
taxonomy 1924
Oryza sativa
genomes 1924
taxonomy 1924
Pennisetum, evolution 1923
Petunia inflata, self incompatibility 1908
Pinus, taxonomy 1951
Pinus radiata, taxonomy 1951
Poa labillardieri 2513
Populus alba 1202
Populus deltoides 1202
Populus maximowiczii 1202
Populus nigra 1202
Populus trichocarpa 1202
Psathyrostachys
evolution 1913
numerical taxonomy 1913
Senecio squalidus
evolution 1210
taxonomy 1210
Senecio vernalis
evolution 1210
taxonomy 1210
Senecio vulgaris
evolution 1210
taxonomy 1210
Solanum brevidens 1185
Solanum chacoense, self incompatibility 1908

Molecular genetics *cont.*
Solanum stoloniferum 1185
Solanum tuberosum 1185
Sorghum bicolor 460
Sorghum halepense 460
Sorghum versicolor 460
taxonomy 2705
techniques 2704
Tripsacum pilosum
alcohol dehydrogenase 1919
archaeology 1919
Triticeae, stress 1912
Triticum
evolution 1913-1914
genomes 1914
numerical taxonomy 1913
Triticum aestivum
evolution 2710
gliadin 519
glutenins 519
salt tolerance 1912
Triticum compactum
gliadin 519
glutenins 519
Triticum macha
gliadin 519
glutenins 519
Triticum monococcum, genomes 1916
Triticum spelta
gliadin 519
glutenins 519
Triticum sphaerococcum
gliadin 519
glutenins 519
Triticum vavilovii
gliadin 519
glutenins 519
Vicia, taxonomy 1930
Vicia faba, taxonomy 1930
Zea
alcohol dehydrogenase 1919
archaeology 1919
evolution 2714
Zea mays
alcohol dehydrogenase 1919
archaeology 1919
evolution 2714
Molinia caerulea
endangered species 2429
soil pH 2429
toxic substances 2429
Molluscicidal properties
Agave filifera 607
Anagallis arvensis 607
Azadirachta indica 2897
Calendula micrantha 607
Cestrum parqui 606
Euphorbia peploides 605
Hedera helix 606
Solanum nigrum 605
Tamarindus indica 2098
Momordica charantia
ethnobotany 251
Guatemala 251
Monachather paradoxa
Australia 203
grazing 203
Mongolia
Astragalus laguroides 2359
Astragalus miniatus 2359
grasslands 211
Medicago lupulina 2359
Onobrychis sibirica 2359
Monoculture, crops 989
Morchella
genetic distance 134
isoenzymes 134
taxonomy 134
Morchella angusticeps
genetic distance 134
isoenzymes 134
taxonomy 134
Morchella conica
genetic distance 134
isoenzymes 134
taxonomy 134
Morchella crassipes
genetic distance 134
isoenzymes 134
taxonomy 134
Morchella deliciosa
genetic distance 134
isoenzymes 134
taxonomy 134
Morchella elata
genetic distance 134
isoenzymes 134
taxonomy 134
Morchella esculenta
genetic distance 134
isoenzymes 134
taxonomy 134
Moricandia arvensis
protoplasts, regeneration 382
tissue culture, regeneration 383
Moricandia (×) ***Brassica,*** protoplast fusion 474
Moringa oleifera
ethnobotany 1835
India 1835
medicinal properties 1835
tissue culture, regeneration 396
Mormodes, tissue culture, regeneration 426
Morocco
Argania spinosa 699
Avena 1767, 2554
fodder legumes 760
fodder plants 1034
grain legumes 1287
grasslands 1806
Juniperus phoenica 1017
Lupinus 2558
Lupinus albus 667
Lupinus angustifolius 2558
Lupinus atlanticus 2558
Lupinus cosentinii 2558
Medicago 67-68, 1282
Medicago laciniata 68
Medicago littoralis 68
Medicago minima 68
Medicago polymorpha 67
Medicago truncatula 67-68
Ononis mogadorensis 849
Ononis paralias 849
Vicia faba 1287
Morphology
Aegilops × *Triticum* 2913
Cocos nucifera 592
Cucumis, databases 1329
Cucumis sativus 1326
Ilex 1661
Poa labillardieri, genetic variation 2513
Ribes, red currants, genetic variation 1747
Sorghum nitidum 527
Morus
China 2095
disease resistance 2095
Morus atropurpurea
China 2095
disease resistance 2095
Morus australis
centres of origin 823
China 823
Morus bombycis, tissue culture, cryopreservation 1141
Morus laevigata, micropropagation 375
Morus mongolica
China 2095
disease resistance 2095
Morus nigra, micropropagation 410
Mosiera
Caribbean 94
keys 94
taxonomy 94
Mosiera contrerasii, new taxa 94
Mosiera ehrenbergii, new taxa 94
Mozambique, subsistence farming 1814
Mucuna
Asia 846
Burma 846
distribution 127
evaluation 2821
India 2821
keys 127, 846
Malaysia 846
South Africa 127
taxonomy 127, 846
Thailand 846
Mucuna atrocarpa
China 1285
Mucuna atrocarpa *cont.*
dopa 1285
Mucuna cochinchinensis
China 1285
dopa 1285
Mucuna deeringiana
China 1285
dopa 1285
Mucuna pruriens
China 1286
evaluation 1286
Mucuna revoluta, new species 846
Mucuna stenoplax, new species 846
Mucuna thailandica, new species 846
Muhlenbergia cualensis
Mexico 842
new species 842
Muhlenbergia michisensis
Mexico 842
new species 842
Multipurpose trees
Balanites aegyptiaca, handbooks 745
India 2604
minor forest products 2604
Phoenix reclinata 1085
Multivariate analysis
Arachis hypogaea 2861
Cicer arietinum 2490
Citrus 2385
Citrus aurantium 2385
conservation 2277
Cucumis sativus, genetic variation 1324
Erysimum 927
Glycine max 2499-2500
Hordeum vulgare 1999, 2002-2003
Lilium longiflorum 162
Oryza sativa 1266
Phaseolus vulgaris 2053
wild plants 2277
Zea mays 2349
Mung bean yellow vein mosaic virus, *Vigna radiata*, disease resistance 2829
Munnozia maronii, antiprotozoal agents 2890
Murraya (×) ***Citrus,*** protoplast fusion 1439
Musa
Africa 2952
Australia, Asia 729
Belgium 501
chloroplast genetics, taxonomy 2725
collecting missions 185-186, 1040
collections 13, 612, 730, 749, 1342
conservation 612, 730
databases 613
descriptors 589
disease resistance
Mycosphaerella fijiensis 2952
Mycosphaerella musicola 1341
distribution 1342
DNA fingerprinting 472
documentation 589, 730
gene banks 501, 612
genetic resources 13
networks 729
genomes 85
in vitro culture 2952
banana bunchy top virus 715
cucumber mosaic cucumovirus 715
quarantine 715
India 1040
information processing 613
interspecific hybridization 2952
Mycosphaerella fijiensis 1342
networks 612-613
numerical taxonomy 84
Papua New Guinea 185-186, 471, 749
polymerase chain reaction 472
restriction fragment length polymorphism, evolution 471
South East Asia 13, 185
Tanzania 1342
taxonomy 85-86
transfer 501
Musa acuminata
collecting missions 185
Papua New Guinea 185
plant embryos, cryopreservation 1144
pollination 1762
South East Asia 185
Sumatra 1762

Musa balbisiana
collecting missions 185
Papua New Guinea 185
plant embryos, cryopreservation 1144
South East Asia 185
Musa salaccensis
pollination 1762
Sumatra 1762
Musa schizocarpa
collecting missions 185
Papua New Guinea 185
South East Asia 185
Muscari matritensis
cytology 944
self compatibility 944
Spain 944
taxonomy 944
Mutations
Arabidopsis thaliana 1211
collections 2749
Myanmar
Dendrocalamus detinens 2478
Schizostachyum burmanicum 2478
Schizostachyum distans 2478
Schizostachyum scandens 2478
Schizostachyum strictum 2478
Schizostachyum tavoyanum 2478
Schizostachyum virgatum 2478
Mycorrhizas, grasslands 201
Mycosphaerella arachidis
Arachis, disease resistance 2194
Arachis batizocoi, pest resistance 2957
Arachis cardenasii, pest resistance 2957
Arachis chacoensis, pest resistance 2957
Arachis hypogaea
disease resistance 2858
pest resistance 2957
Mycosphaerella berkeleyi, *Arachis*, disease resistance 2194
Mycosphaerella fijiensis
Musa 1342
disease resistance 2952
Mycosphaerella graminicola
Hordeum chilense, disease resistance 2150
Hordeum × *Triticum*, disease resistance 2150
Triticum, disease resistance 2150
Mycosphaerella musicola, *Musa*, disease resistance 1341
Myristica
Indonesia 2898
surveys 2898
Myrothecium roridum
Gossypium arboreum, disease resistance 1358
Gossypium barbadense, disease resistance 1358
Gossypium herbaceum, disease resistance 1358
Gossypium hirsutum, disease resistance 1358
Myrsine
new species 1647
Peru 1647
Myzus persicae
Cucumis melo, pest resistance 576
Solanum brevidens, pest resistance 2065
Solanum etuberosum, pest resistance 2065
Solanum fernandezianum, pest resistance 2065
Namibia
Arachis hypogaea 2550
Crassula aurus 2463
flora 239
Pennisetum 2550
Pennisetum glaucum 2550
Sorghum 2550
Sorghum bicolor 2550
Vigna 2550
Vigna subterranea 2550
Narcissus, disease resistance, *Fusarium oxysporum* 1374
Nardostachys jatamansi
endangered species 2699
India 2698-2699
tissue culture, regeneration 2698-2699
Narenga
cytology 1443
intergeneric hybridization 1443
Nasturtium officinale, tissue culture, regeneration 1138
National parks
books 2981
Costa Rica 2273
Natural selection, *Trifolium subterraneum*, genetic diversity 2488
Nature conservation
forest trees 192
forests 21, 23, 191
grasslands 202, 220-221
plant communities 217
Japan 241
Pinus pinea 24
Pinus sylvestris 157, 2576
rain forests 22, 246, 732, 744
USA 241
Nature reserves
algorithms 2280
books 2981
Castanea 2575
flora 41
China 194
plant communities 194
surveys 194
forest trees 1071
forests 1072, 1779, 1782, 2595
Ginkgo biloba, distribution 1654
grasslands 198, 205, 212-214, 1779, 1782, 1798, 2587
Palmae 2302
Quercus 2575
rain forests 22, 2269, 2302
selection 2280
South Africa 787, 2568
Spain 2570
statistics 787
Zelkova 2575
Naucleopsis
cardiac glycosides 2621
ethnobotany 2621
South America 2621
Nectar, crops 1988
Nematoda
breeding, pest resistance 1390
genetic resources, pest resistance 1230
Nicotiana, pest resistance 2865
Nicotiana tabacum, pest resistance 2865
Oryza sativa 2166
Nemophila aphylla
Australia 2660
seed banks 2660
Neoglaziovia variegata
Brazil 1372
characterization 1372
Neotropical region, taxonomy 1568
Nepal
Amaranthus caudatus 1235
Amaranthus hypochondriacus 1235
Eleusine coracana 1235
Fagopyrum cymosum 1235, 2259
Fagopyrum esculentum 1235, 2259, 2800
Fagopyrum tataricum 1235, 2259, 2800
forests 797, 1084
Hordeum vulgare 1235
Impatiens 931
Impatiens exilis 931
Mimulus bhutanicus 2448
Mimulus karakormianus 2448
ornamental woody plants 1050
Oryza 1778
Oryza sativa 531, 1265
pesticidal plants 1840
Potentilla makaluensis 1667
Potentilla microcontigua 2438
Nepenthes khasiana
endangered species 1896
India 1896
tissue culture, regeneration 1896
Nepeta
keys 925, 2450
taxonomy 925, 2450
Nephelium *(see also Dimocarpus; Litchi)*
Nephrolepis exaltata, micropropagation 429
Netherlands
Agrostis stolonifera 147
Beta vulgaris 2709
Brassica napus, rape 2709
Centre for Plant Breeding and Reproduction Research, reports 2217
Cucumis 2504
Netherlands *cont.*
grasslands 221, 2587
Salvia pratensis 2532
Scabiosa columbaria 2532
Solanum tuberosum 2709
Zea mays 2709
Zostera marina 1102
Networks 2135, 2224
Allium 2145
Allium ascalonicum 2145
Allium cepa 2145
Beta 2147
conservation 2904
crops 2139-2140
databases 1968
Elaeis guineensis 2146
ethnobotany 238
France 2137
gene banks 2136
books 739
genetic resources 611, 1500
books 739
Helianthus annuus, reports 2223
history 2134
Hordeum vulgare 2141
international organizations 2136
Musa 612-613
genetic resources 729
Oryza sativa 2142-2144, 2906
Plantago, genetic resources 729
Triticum aestivum 627, 2141
Neurolaena lobata
ethnobotany 251
Guatemala 251
New Caledonia
Cyathea intermedia 1703
Cyathea novae-caledoniae 1703
medicinal plants 1836
Themeda arguens 54
Themeda quadrivalvis 54
Themeda triandra 54
New Guinea
Canarium 2484
Colocasia 2484
crops 2484
Ipomoea 2484
New species
Acacia alexandri 890
Acacia aphanoclada 890
Acacia aristiguietana 891
Acacia chamelensis 2400
Acacia chartacea 890
Acacia colei 1610
Acacia didyma 889
Acacia meiantha 1611
Acacia ryaniana 890
Acacia startii 889
Acacia synchronicia 890
Acacia telmica 889
Acer chiangdaoense 2418
Adenanthera kostermansii 110
Adenanthera marina 110
Aequatorium cajamarcense 1648
Aequatorium juninense 1648
Aequatorium kingii 1648
Aequatorium tovarii 1648
Aeschynomene graminoides 853
Aeschynomene simplicifolia 853
Allium kollmannianum 857
Allium rhodiacum 858
Aloe gilbertii 881
Anacardium amapaënse 1603
Aptandra caudata 897
Aquilegia kubanica 924
Arberella grayumii 837
Ardisia callejasii 1646
Ardisia marojejyensis 2413
Aristida leptura 840
Aristida pycnostachya 840
Aristida tenuiseta 840
Arthrostylidium ecuadorense 2368
Arthrostylidium fimbrinodum 2368
Arthrostylidium grandifolium 2368
Arthrostylidium judziewiczii 837
Arthrostylidium merostachyoides 837
Arthrostylidium youngianum 2368
Asarum taiwanense 1570
Ascocentrum garayi 118
Ascocentrum insularum 118
Astragalus ghamsaricus 850
Atractantha aureolanata 133

New species *cont.*
Atractantha cardinalis 133
Aulonemia clarkiae 837
Baphia madagascariensis 851
Bidens szechuanica 823
Bulbophyllum reevei 123
Byrsonima stannardii 1642
Caesalpinia macvaughii 910
Calathea liesneri 2472
Callianthemum shennongjacum 823
Camellia 105
Canavalia cassidea 852
Cassia lancangensis 128
Centaurea cronquistii 1680
Chamaecrista macambensis 1582
Chamaecrista radinii 1624
Chusquea 1702
Cinnamomum chemungianum 2415
Citrus wanshanensis 1570
Coccoloba bullata 1627
Coccoloba cholutecensis 1627
Coccoloba gentryi 1627
Coccoloba johnstonii 1627
Coccoloba ortizii 1627
Coccoloba yaracuyensis 1627
Corchorus macropterus 880
Corydalis henrikii 930
Corydalis ruksanii 930
Corydalis shangii 930
Corydalis zetterlundi 930
Corymbium elsiae 2444
Couepia morii 882
Couepia rankinae 1639
Cruddasia craibii 1586
Cryosophila macrocarpa 96
Cryptochloa soderstromii 837
Cucumis diniae 1594
Cycas arenicola 2426
Cytisus pineticola 107
Danthonia chiapasensis 837
Dendrochilum karoense 117
Dendrochilum mirabile 117
Dendrochilum suratii 117
Digitaria breedlovei 837
Digitaria clavitricha 837
Dinochloa robusta 959
Dipterocarpus megacarpus 2419
Elymus 1576
Elymus yangii 836
Epidendrum caurense 950
Epidendrum nuriense 950
Eragrostis incrassata 840
Eragrostis tridentata 840
Erica amicorum 919
Erica cunoniensis 919
Erica tegetiformis 919
Eriochloa stevensii 831
Eschweilera pseudodecolorans 1625
Eucalyptus absita 885
Eucalyptus annuliformis 885
Eucalyptus argutifolia 885
Eucalyptus balanites 885
Eucalyptus ordiana 884
Eurystyles cornu-bovis 1691
Euterpe luminosa 1617
Festuca herrerae 831
Festuca stygia 834
Festuca talamancensis 831
Flemingia kradungensis 1586
Flemingia tiliacea 1586
Geranium canopurpureum 1670
Geranium duclouxii 1670
Geranium fargesii 1670
Geranium retectum 1670
Gonzalagunia mildredae 1649
Gonzalagunia villosa 1649
Grevillea aurea 2436
Grevillea brevis 2436
Grevillea glabrescens 2436
Grevillea microcarpa 2436
Grevillea wilkinsonii 2434
Guadua macclurei 837
Gurania sessiliflora 861
Gynoxys chingualensis 1648
Gynoxys hutchisonii 1648
Gynoxys jaramilloi 1648
Hedyosmum intermedium 2414
Hedyosmum narinoense 2414
Hedyosmum tepuiense 2414
Hedyosmum uniflorum 2414
Heliconia darienensis 935

New species *cont.*
Heliconia fredberryana 929
Heliconia litana 929
Heliconia lutheri 929
Heliconia nubigena 935
Hirtella trichotoma 1639
Hyacinthella lazulina 1685
Hyperbaena eladioana 2409
Ilex fortunensis 2428
Ilex maxima 2428
Ilex stellata 2428
Indigofera bayensis 1581
Indigofera gypsacea 1581
Indigofera karkarensis 1581
Indigofera lamellata 1581
Indigofera lughensis 1581
Indigofera phymatodea 1581
Indigofera scopiformis 1581
Isoëtes boomii 1704
Isoëtes georgiana 1704
Ixora agasthyamalayana 917
Ixora keenanii 1657
Jatropha martinezii 905
Koeleria eriostachya 838
Lecointea hatschbachii 1624
Lepanthes atwoodii 119
Lepanthes barbatula 119
Lepanthes calyptrata 119
Lepanthes cordeliae 119
Lepanthes endresii 119
Lepanthes hastata 119
Lepanthes ingramii 119
Lepanthes ligulata 119
Lepanthes llipiensis 119
Lepanthes pycnogenia 119
Lepanthes recurva 119
Lepanthes ringens 119
Leptocereus santamarinae 1620
Leptospermum namadgiensis 2433
Lepturus calcareus 1574
Licania cardiophylla 1639
Licania cidii 882
Licania espinae 1639
Licania imbaimadaiensis 1639
Licania jaramilloi 882
Licania pittieri 882
Licania stevensii 1639
Licania vasquezii 882
Licania velutina 1639
Lonchocarpus crassispermis 95
Lonchocarpus imatacensis 95
Macadamia jansenii 1604
Macrolobium cidii 1624
Malus zhaojiaoensis 1597
Masdevallia goliath 122
Masdevallia mascarata 122
Masdevallia ricii 122
Meliosma pumila 898
Meliosma simiarum 898
Meliosma sirensis 898
Meliosma youngii 898
Merostachys burmanii 958
Merostachys latifolia 837
Merxmuellera setacea 60
Miconia friedmaniorum 2411
Microcharis nematophylla 1581
Mimulus bhutanicus 2448
Mimulus karakormianus 2448
Mucuna revoluta 846
Mucuna stenoplax 846
Mucuna thailandica 846
Muhlenbergia cualensis 842
Muhlenbergia michisensis 842
Myrsine 1647
Ocotea pharomachrosorum 2412
Oenocarpus makeru 1616
Oenocarpus simplex 1616
Ononis aurasiaca 849
Ononis mogadorensis 849
Ononis paralias 849
Ornithogalum improbum 943
Ornithogalum pascheanum 942
Ouratea 1632
Palaeocarpinus joffrensis 1615
Panicum caparoense 2354
Panicum hirtiglume 2353
Pariana argentea 837
Paspalum atabapense 843
Paspalum tillettii 843
Passiflora brachyantha 873
Passiflora escobariana 874

New species *cont.*
Passiflora juliana 874
Passiflora oaxacensis 874
Passiflora xiikzodz 874
Peperomia okinawensis 124
Pereilema diandrum 837
Pereskia marcanoi 1644
Peridictyon sanctum 2364
Peucedanum muliense 1700
Philadelphus seoulensis 920
Phragmotheca ecuadorensis 1629
Phragmotheca mammosa 1629
Platanthera pallida 949
Pleurothallis erebatensis 2462
Podocarpus acuminatus 1652
Polygala bawanglingensis 129
Polygonum karacae 922
Potentilla makaluensis 1667
Potentilla morefieldii 1677
Primula 111
Protium carolense 1626
Protium morii 1626
Protium strumosum 1626
Psilanthus bababudanii 1605
Psilanthus bridsoniae 1605
Psilanthus malabaricus 1605
Pueraria maesenii 1586
Pyrus taiwanensis 2382
Quercus coahuilensis 2396
Quercus hintoniorum 2396
Quercus mcvaughii 886
Quercus miquihuanensis 2396
Raritebe axillare 1649
Rhipidocladum martinezii 837
Roupala barnettiae 1619
Rubus jiangxiensis 1598
Rubus yanshanensis 1598
Salix xanthicola 888
Sarcoglottis caudata 915
Schiedeella romeroana 1697
Schizostachyum arunachalensis 2480
Scilla dedea 941
Scilla pruinosa 941
Sechium chinantlense 862
Sedum latiovalifolium 2431
Selinum longicalycium 1700
Senecio cambrensis 988
Senna monilifera 1624
Shaniodendron subaequale 2430
Solanum clivorum 1645
Solanum gertii 1622
Solanum goniocaulon 1645
Solanum malletii 1645
Solanum morii 1622
Solanum paraibanum 872
Solanum platycypellon 1622
Solanum smithii 1645
Solanum superbum 1622
Solanum tovarii 1645
Solanum tumescens 1622
Sorbus lingshiensis 81
Sorbus longii 81
Sorbus macallisteri 81
Sorbus rinzenii 81
Spatholobus latibractea 961
Sporobolus distichivaginatus 831
Sporobolus gloeoclados 1574
Sporobolus minimus 1574
Stephanopodium gentryi 1637
Stipa sczerbakovii 841
Stipa tunetana 2362
Stipa zaissanica 841
Stipagrostis dhofariensis 1574
Stipagrostis xylosa 1574
Streptocarpus fasciatus 2447
Streptocarpus makabengensis 1669
Streptocarpus occultus 1669
Swartzia ingens 1624
Thyrsodium bolivianum 2420
Thyrsodium puberulum 2420
Thyrsodium rondianum 2420
Trichosalpinx oxychilos 2462
Trichosanthes mianyangensis 1595
Tripogon oliganthos 1574
Trisetaria chaudharyana 2365
Vaccinium hagerupii 1600
Vellozia kolbekii 915
Viola frank-smithii 1672
Viola lithion 1672
Zelkova sicula 1659

New taxa
Acacia tenuifolia 1609
Acalypha rusbyi 1028
Andropogon gerardii 837
Astragalus cremnophylax 1624
Crataegus ruscinonensis 865
Dianthus superbus 1682
Doliocarpus carnevaliorum 1705
Doliocarpus dentatus 1705
Doliocarpus hispidobaccatus 1705
Eragrostis rufescens 837
Eschscholzia minutiflora 114
Exarata chocoensis 907
Filipendula auriculata 2449
Heliconia albicosta 935
Heliconia obscura 929
Heliconia undulata 935
Hibiscus syriacus 2431
Ilex suaveolens 1658
Iris rossii 1686
Isoëtes caroliniana 1704
Kengyilia 65
Marlierea mesoamericana 2410
Mexipedium 1693
Mosiera contrerasii 94
Mosiera ehrenbergii 94
Oxypetalum apoloensis 1028
Panicum aquaticum 837
Parkia singularis 1635
Parkia sumatrana 1635
Pelargonium patulum 1660
Poa acroleuca 1575
Primula 111
Protium 1626
Protium bahianum 1641
Protium icicariba 1641
Prunus arborea 2380
Rhododendron albiflorum 1664
Rubus bloxamii 867
Sisyrinchium angustifolium 1686
Verticordia 895
Viola 1668
New Zealand
Ackama rosifolia 1650
Brachyglottis compacta 538
Chordospartium muritai 1536
Chordospartium stevensonii 1536
conservation 2277
forests 21, 810, 2322
grasslands 220, 225
ornamental woody plants 1050
Stipa neesiana 1103
Weinmannia racemosa 1650
Weinmannia silvicola 1650
wild plants 734, 2277
N.I. Vavilov All-Union Institute of Plant Industry, organizations 1959
Nicaragua, *Eriochloa stevensii* 831
Nicotiana
chemotaxonomy 2389
cytology 817
disease resistance
Alternaria alternata 2865
Erysiphe cichoracearum 1445, 2865
Peronospora tabacina 1445
Phytophthora nicotianae 1445
Pseudomonas syringae 1445, 2865
Thielaviopsis basicola 1445
tobacco mosaic tobamovirus 1445
tomato mosaic tobamovirus 1445
tomato spotted wilt virus 1445
evolution 817
interspecific hybridization 1445
pest resistance, Nematoda 2865
taxonomy 817
Zimbabwe 2865
Nicotiana africana, cytotaxonomy 817
Nicotiana alata, molecular genetics, self incompatibility 1908
Nicotiana glauca
Israel 256
medicinal properties 256
Nicotiana kawakamii, cytotaxonomy 817
Nicotiana repanda
disease resistance, tobacco mosaic tobamovirus 2203
pest resistance, *Meloidogyne arenaria* 2203
protoplast fusion 2203
Nicotiana rustica
chloroplast genetics 2202
Nicotiana rustica *cont.*
mitochondrial genetics 2202
protoplast fusion 703, 2202
tissue culture, regeneration 387
Nicotiana sylvestris, protoplast fusion 2203
Nicotiana tabacum
chloroplast genetics 2202
disease resistance
Alternaria alternata 2865
Erysiphe cichoracearum 2865
Pseudomonas syringae 2865
tobacco mosaic tobamovirus 2203
genetic transformation, proteinase inhibitors 2706
interspecific hybridization 1445
mitochondrial genetics 2202
pest resistance
Manduca sexta 2706
Meloidogyne arenaria 2203
Nematoda 2865
plant composition 2866
protoplast fusion 703, 2202-2203
seed moisture 1095
seed testing 1095
Zimbabwe 2865
Nigella sativa
antiparasitic agents 2130
Pakistan 2130
Nigeria
Azadirachta indica 2897
Enantia chlorantha 602
forests 1053
Helianthus annuus 311
root crops 2668
Vigna 180, 182
Vigna unguiculata 180, 182, 1184, 2603
Zea mays 2349
Zingiber officinale 2131
Nilaparvata lugens, *Oryza sativa*, pest resistance 535, 2029
Nilaparvata oryzae, *Oryza minuta*, pest resistance 1262
Nitrogen, *Caesulia axillaris*, seeds 323
Nitrogen fixation
Phaseolus acutifolius 669
Phaseolus filiformis 669
Phaseolus vulgaris 669
Nodulation
Medicago murex 543
Medicago truncatula 543
Nolina
fibres 2110
Mexico 2110
USA 2110
Nomenclature
Cynodon arcuatus 58
Cynodon radiatus 58
evolution 33
forest trees 248
polyploidy 33
Nordic Gene Bank, organizations 1960, 1963
North Africa
Anthericum 1375
Anthericum algeriense 1375
Asphodelus 1375
Asphodelus acaulis 1375
Asphodelus gracilis 1375
Asphodelus roseus 1375
crops 1504
Sedum 820
North America
Avena byzantina 2511
Avena sativa 2511
Chenopodium berlandieri 2357
Chenopodium quinoa 2357
Festuca 833
Festuca baffinensis 833
Festuca brachyphylla 833
Festuca dasyclada 833
Festuca idahoensis 833
Festuca rubra 833
Festuca saximontana 833
Glycine max 2499
Gymnocarpium dryopteris 2341
Krameria 1087
Nyssa 2339
Phaseolus vulgaris 1731
Physalis grisea 1602
Pteridophyta 2902
Norway
crops 1963
Poa pratensis 2804-2805
Ribes, red currants 1747
Rubus fissus 868
Rubus gothicus 868
Rubus hallandicus 868
Rubus idaeus 2090
Rubus langei 868
Rubus nemoralis 868
Rubus nessensis 868
Rubus pruinosus 868
Rubus sprengelii 868
Sorbus meinichii 1366
Nothofagus
Antarctica 985
Australia 985
centres of origin 986
evolution 986
palaeobotany 985
Tasmania 985
taxonomy 894
Nucleocytoplasmic interaction
Aegilops biuncialis, disease resistance 2149
Aegilops cylindrica, fertility 1399-1400
Aegilops longissima, fertility 1400
Aegilops mutica, disease resistance 2149
Aegilops ovata, disease resistance 2149
Aegilops speltoides, disease resistance 2149
Aegilops squarrosa, fertility 1399-1400
Aegilops triuncialis, disease resistance 2149
Aegilops uniaristata, fertility 1400
Aegilops × *Triticum*, fertility 1400
Helianthus angustifolius, vigour 693
Helianthus annuus, vigour 693
Helianthus divaricatus, vigour 693
Helianthus grosseserratus, vigour 693
Helianthus maximiliani, vigour 693
Helianthus mollis, vigour 693
Triticum, disease resistance 2149
Triticum aestivum, fertility 1399
Triticum durum, fertility 1399-1400
Nucleotide sequences
Hordeum × *Secale* 1179
Hordeum × *Triticum* 1179
Secale × *Triticum* 1179
Numerical taxonomy
Aegilops, molecular genetics 1913
Alopecurus 64
Astragalus 71
Brassica 2387
Clerodendrum 923
Cucumis prophetarum 1594
Cucumis zeyheri 1594
Dasypyrum, molecular genetics 1913
Elymus 2360
Erucaria 2387
Hordeum brachyantherum 1572
Hordeum depressum 1572
Hordeum vulgare, molecular genetics 1913
Iris illyrica 937
Iris pallida 937
Iris pseudopallida 937
Lophopyrum 2360
Medicago monantha 1580
Musa 84
Ornithogalum 1566
Ornithogalum algeriense 1566
Ornithogalum umbellatum 1566
Psathyrostachys, molecular genetics 1913
Pseudoroegneria 2360
Thinopyrum 2360
Trichopyrum 2360
Triticeae 44
Triticum, molecular genetics 1913
Zea mays 2350
Nutrients, *Allium cepa* 1314
Nutritive value
Avena maroccana 652
Capsicum annuum 2844
Chaenomeles speciosa 2087
Dacryodes edulis 2961
Hordeum × *Triticum* 2152
Irvingia gabonensis 2961
Sesamum indicum 2863
Treculia africana 2961
Vigna gracilis 565

Nutritive value *cont.*
Vigna oblongifolia 565
Vigna unguiculata 565
Vigna vexillata 565
wild plants, books 2980
Nyssa
Costa Rica 2339
East Asia 2339
evolution 2339
North America 2339
South East Asia 2339
taxonomy 2339
Oberonia anthropophora
India 2461
taxonomy 2461
Oceania
conservation 2270
crops 990
quarantine 1449
Ocimum
Africa 2473
distribution 2473
taxonomy 956, 2473
Ocimum basilicum
ethnobotany 251
Guatemala 251
outcrossing 2548
Ocimum kilimandscharicum, outcrossing 2548
Ocotea
checklists 904
Costa Rica 904
distribution 904
Ocotea pharomachrosorum
Costa Rica 2412
new species 2412
Panama 2412
Odontoglossum edwardii
collections 1537
conservation 1537
interspecific hybridization 1537
Odontoglossum uro-skinneri
collections 1537
conservation 1537
interspecific hybridization 1537
Oenocarpus
Brazil 1223
gene banks 1223
Oenocarpus bacaba
Brazil 1044
collecting missions 1044
Colombia 1616
taxonomy 1616
Oenocarpus circumtextus
Colombia 1616
taxonomy 1616
Oenocarpus distichus
Brazil 1044
collecting missions 1044
Oenocarpus makeru
Colombia 1616
new species 1616
Oenocarpus minor
Brazil 1044
collecting missions 1044
Colombia 1616
taxonomy 1616
Oenocarpus simplex
Colombia 1616
new species 1616
Oenothera grandiflora
chromosome pairing 2124
cytology 2122
interspecific hybridization 2122
USA 2124
Oidium *(see also Leveillula)*
Macroptilium atropurpureum, disease resistance 2820
Oils
Annona 88
Arachis hypogaea 1041
Brassica campestris 1041
Brassica juncea 1041
Brassica napus 1041
Cannabis sativa 1041
Colliguaja integerrima, evaluation 2112
Glycine max 1041
Glycine soja 1041
Helianthus annuus 1041
Perilla 1041
Rhus verniciflua 1041
Oils *cont.*
Sesamum indicum 1041
Xanthium sibiricum 2864
Olea europea, genetic variation, isoenzymes 2512
Oman
flora 237
medicinal plants 2623
wild plants 2567
On-farm conservation 1523
Developing Countries 779
Ecuador 1548
farmers' rights 1556
fodder plants 2284
gene banks 1958
genetic resources 1518-1520, 1522
Indonesia 1844
Oryza sativa
South East Asia 1532
sustainability 1532
policy 1548, 1556
Solanum tuberosum 1533
Oncidium
Caribbean 1687
taxonomy 1687
Onobrychis
evaluation 2045
Turkey 2045
Onobrychis arenaria
evaluation 2045
Turkey 2045
Onobrychis eriophora, seeds, cryopreservation 1094
Onobrychis pedunculariis, seeds, cryopreservation 1094
Onobrychis sibirica
chromosome number 2359
Mongolia 2359
taxonomy 2359
Onobrychis transcaucasica
evaluation 2045
Turkey 2045
Onobrychis viciifolia
China 1274
evaluation 2045
protoplasts, regeneration 343
salt tolerance 1274
Turkey 2045
Ononis aurasiaca
Algeria 849
new species 849
Ononis mogadorensis
Morocco 849
new species 849
Ononis natrix, taxonomy 849
Ononis paralias
Morocco 849
new species 849
Onopordum nervosum, seeds, cryopreservation 1094
Ophiopogon dracaenoides
China 2114
chromosome morphology 2114
chromosome number 2114
Ophiopogon latifolius
China 2114
chromosome morphology 2114
chromosome number 2114
Ophiopogon pingbienensis
China 2114
chromosome morphology 2114
chromosome number 2114
Opium alkaloids, *Papaver somniferum,* genetic transformation 490
Orchidaceae
Asia 1694
Australasia 1694
Austria 120
Bahamas 1688
Caribbean 1687
centres of origin 987
checklists 1688
conservation 25, 1538
endangered species 1539
distribution 120
endangered species 1538, 1891
Europe 1538-1539
evolution 987, 1724
herbaria 1695
surveys 1688
taxonomy 120, 1687, 1694-1695
Orchidaceae *cont.*
Thailand 25
tissue culture, regeneration 1891
Turks and Caicos Islands 1688
UK 1539
Orchis coriophora, interspecific hybridization 2454
Orchis sancta
characterization 2454
distribution 2454
interspecific hybridization 2454
Mediterranean countries 2454
Orchis ustulata
distribution 946
UK 946
Oreopanax
checklists 904
Costa Rica 904
distribution 904
Organizations
All-Union Lenin Academy of Agricultural Sciences of USSR 2249
Consultative Group on International Agricultural Research 1499
European Communities Commission 1524
Food and Agriculture Organization 1500
Germany, Institute of Plant Genetics and Crop Plant Research 2746
International Center for Agricultural Research in the Dry Areas 1525
International Crops Research Institute for the Semi-Arid Tropics 9
N.I. Vavilov All-Union Institute of Plant Industry 1959
Nordic Gene Bank 1960, 1963
Palm Oil Institute of Malaysia 2146
Thailand, ASEAN-Canada Forest Tree Seed Centre 792
Welsh Plant Breeding Station 754
Origanum vulgare, tissue culture, regeneration 442
Origin
Agropyron desertorum 974
Gymnocarpium dryopteris 2341
Ornamental ferns
collections 2769
conservation 2769
endangered species 2769
UK 2769
Ornamental herbaceous plants
China 1507
genetic resources 1507
Ornamental plants
botanical gardens 503, 2766
China 2427
distribution 2427
endangered species 503
gene banks 1212
Georgia 2766
Indonesia 1212
plant introduction 503
Russia 503
seeds, storage 1212
surveys 2427
Ornamental value
Acer campestre 2879
Aralia elata 2879
Arbutus menziesii 2879
Betula papyrifera 2879
Cercidiphyllum japonicum 2879
Cercis siliquastrum 2879
Chaenomeles speciosa 2087
Clethra alnifolia 599
Costus speciosus 2440
Erica scoparia 2879
Eucalyptus perriniana 2879
ferns 2768, 2963
Hippophae rhamnoides 2879
Incarvillea emodi 1368
Jatropha 2883
Juglans ailantifolia 2879
Juniperus recurva 2879
Leonotis leonurus 2877
Pteridophyta 2901-2903
Pteris 2882
Rhus trichocarpa 2879
Sophora microphylla 2879
Sorbus aria 2879
Sorbus meinichii 1366
Syringa 2767

Ornamental woody plants
biotechnology 331
collecting missions 1050
in vitro culture, regeneration 331
Nepal 1050
New Zealand 1050
Ornithogalum
evolution 1566
Mediterranean countries 1566
numerical taxonomy 1566
Ornithogalum algeriense
evolution 1566
Mediterranean countries 1566
numerical taxonomy 1566
Ornithogalum improbum
new species 943
Turkey 943
Ornithogalum pascheanum
new species 942
Turkey 942
Ornithogalum thyrsoides, chromosome morphology 422
Ornithogalum umbellatum
evolution 1566
Mediterranean countries 1566
numerical taxonomy 1566
Orobanche cumana, *Helianthus,* disease resistance 1348
Orseolia oryzae, *Oryza sativa,* pest resistance 535
Orthosiphon
Africa 2473
distribution 2473
taxonomy 2473
Oryza
biotechnology 2707
chloroplast genetics
evolution 1926
taxonomy 1926
collections 1975
cytology 1413
disease resistance, rice black-streaked dwarf fijivirus 2164
evolution 1559
genetic resources 2707
genetics, evaluation 2027
genomes 1559
glycinebetaine 2797
in situ conservation 1777-1778
India 2707
interspecific hybridization 2164
Korea Republic 2164
mitochondrial genetics
evolution 1926
taxonomy 1926
Nepal 1778
Sri Lanka 1778
taxonomy 1559, 1573
tissue culture, regeneration 1864
Oryza alata
alanine 2024
dipeptides 2024
Oryza alta, collections 1975
Oryza australiensis
molecular genetics
genomes 1924
taxonomy 1924
Oryza barthii
Africa 1769
collecting missions 1769
disease resistance
Africa 2795
rice tungro bacilliform badnavirus 2795
protoplasts 335
tissue culture 335
Oryza brachyacantha
Africa 1769
collecting missions 1769
Oryza brachyantha
Africa 2026
disease resistance
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
evaluation, seeds 2026
molecular genetics
genomes 1924
taxonomy 1924
Oryza breviligulata
Africa 2026
evaluation, seeds 2026
Oryza glaberrima
Africa 1769
collecting missions 1769
disease resistance
Africa 2795
rice tungro bacilliform badnavirus 2795
genetics, evaluation 2027
Oryza glumaepatula
disease resistance, rice black-streaked dwarf fijivirus 2164
interspecific hybridization 2164
Korea Republic 2164
Oryza granulata
collecting missions 1768
collections 1975
South East Asia 1768
Oryza latifolia
alanine 2024
Bolivia 1263
dipeptides 2024
disease resistance, rice black-streaked dwarf fijivirus 2164
evaluation 1263
interspecific hybridization 2164
Korea Republic 2164
molecular genetics
genomes 1924
taxonomy 1924
Oryza longiglumis
disease resistance
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Oryza longistaminata
Africa 1769, 2026
collecting missions 1769
evaluation, seeds 2026
Oryza meridionalis
evolution 1559
genomes 1559
taxonomy 1559
Oryza meyeriana
China 2355
collecting missions 1768
South East Asia 1768
taxonomy 2355
Oryza minuta
China 1262
disease resistance
Pyricularia oryzae 1262
Thanatephorus sasakii 1262
genetics
Pyricularia oryzae 2167
Xanthomonas oryzae 2167
interspecific hybridization 2167
molecular genetics
genomes 1924
taxonomy 1924
pest resistance
Nilaparvata oryzae 1262
Pyricularia oryzae 2167
Xanthomonas oryzae 2167
Oryza nivara
disease resistance
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
molecular genetics
genomes 1924
taxonomy 1924
Oryza officinalis
China 2355
collecting missions 1768
disease resistance
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
India 537
molecular genetics
genomes 1924
taxonomy 1924
pest resistance, *Stenchaetothrips biformis* 537
protoplasts 335
Oryza officinalis *cont.*
salt tolerance 2022
South East Asia 1768
taxonomy 2355
tissue culture 335
Oryza punctata
Africa 1769, 2026
chromosome addition 2168
collecting missions 1769
evaluation, seeds 2026
interspecific hybridization 2168
molecular genetics
genomes 1924
taxonomy 1924
salt tolerance 2022
Oryza rhizomatis
disease resistance
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Oryza ridleyi
collecting missions 1768
collections 1975
South East Asia 1768
Oryza rufipogon
annual habit 1849
Bolivia 1263
China 2355
collecting missions 1768
collections 1975
ecology 994
evaluation 1263
evolution 1559
genetic variation 1742
genetics
fertility 1414
photoperiodism 1414
genomes 1559
interspecific hybridization 1414
molecular genetics
genomes 1924
taxonomy 1924
perennial habit 1849
persistence 1849
population dynamics 994
population genetics 993, 1742
protoplasts 335
seed banks, germination 1849
South East Asia 1768
Taiwan 993-994, 1849
taxonomy 1559, 2355
tissue culture 335
Oryza sativa
Africa 1769, 1973
altitude 1265
anther culture 1386
Argentina 2796
Australia 1463
biotechnology 1910, 1925
Brazil 533, 2165
breeding 146, 2165-2166
Cambodia 1217
Chad 173
characterization 1970, 2021
China 530, 1261, 1264, 1267, 1412, 2021, 2254, 2355, 2798, 2987
chloroplasts 529
chromosome addition 2168
cold resistance 530-531, 1264-1265
collecting missions 173, 1217, 1768-1769, 2555-2556
collections 1974
cytology 1413
databases 1971
descriptors 1970, 2028
Developing Countries 1910
disease resistance 2923
Pyricularia oryzae 1261, 1264
rice black-streaked dwarf fijivirus 2164
rice tungro bacilliform badnavirus 534
rice tungro spherical ribotungrovirus 534
Ustilaginoidea virens 2798
Xanthomonas oryzae 536, 2029
evaluation 528, 533, 1264, 1266, 2796
seeds 2025
Fiji 2025

Oryza sativa *cont.*
gene banks 1213, 1217-1218, 1966, 1970-1973
genetic distance 533
genetic diversity, amylose 1729
genetic resources 2254
books 2987
genetic variation 146, 1742
isoenzymes 1267
genetics
diseases 2923
evaluation 2027
fertility 1414
pests 2923
photoperiodism 1414
Pyricularia oryzae 2167
Xanthomonas oryzae 2167
glycinebetaine 2797
height 1264
history 1218
India 528, 532, 537, 1266
inflorescences 1412
information processing 2144
interspecific hybridization 1414, 2164, 2167-2168
Japan 1218, 1973
Korea Republic 2164
landraces 146
Lesotho 173
Malaysia 1213
molecular genetics
genomes 1924
taxonomy 1924
multivariate analysis 1266
Nematoda 2166
Nepal 531, 1265
networks 2142-2144, 2906
on-farm conservation
South East Asia 1532
sustainability 1532
Pakistan 753
pest resistance 2923
Nilaparvata lugens 535, 2029
Orseolia oryzae 535
Pyricularia oryzae 2167
Sogatella furcifera 535
Stenchaetothrips biformis 537
Xanthomonas oryzae 2167
Philippines 536, 1971
policy 1910
population genetics 1742
protoplasts 335
quarantine
diseases 1463
seeds 1463
seed longevity 278
seed moisture 278
seed treatment
dormancy 2632
germination 2632
seeds
cryopreservation 1094
storage 279, 2631, 2633
Somalia 173
South Asia 2555
South East Asia 1768, 2555
stress 2029, 2166
surveys 753
Swaziland 173
Tanzania 173
taxonomy 2355
tissue culture 335
USA 1973
variety trials 532
waterlogging 2023
West Africa 2023
wide hybridization 2910
Zimbabwe 173
Oryza schlechteri, chromosome number 1260
Oryza* × *Sorghum, intergeneric hybridization 1412
Oryzopsis hymenoides, seed treatment, germination 285-286
Osycoccus
breeding 2950
catalogues 2950
Russia 2950
Ouratea
Central America 1632
new species 1632
Outcrossing
Avena fatua 2534
Avena nuda 2534
Avena sativa 2534
Clarkia concinna 163
Ocimum basilicum 2548
Ocimum kilimandscharicum 2548
Plantago 1022
Ovule culture
Brassica campestris 679
Brassica spinescens 679
Brassica × *Raphanus* 679
Carica papaya 1387
Cyclamen hederifolium 1448
Cyclamen persicum 1448
Iris pseudacorus, regeneration 1166
Iris setosa, regeneration 1166
Iris versicolor, regeneration 1166
Mangifera indica 1387
Vitis rotundifolia, regeneration 1143
Ovules
Solanum 1015
Solanum muricatum 1015
Oxycoccus *(see Vaccinium)*
Oxypetalum apoloensis
Bolivia 1028
new taxa 1028
Oxyrhynchus, chloroplast genetics, evolution 2716
Pachysandra axillaris
China 1663
taxonomy 1663
Pachysandra procumbens
taxonomy 1663
USA 1663
Pachysandra terminalis
China 1663
Japan 1663
taxonomy 1663
Pacific Islands
Canarium 2484
Colocasia 2484
crops 2484
Ipomoea 2484
Pakistan
Brachypodium 2033
Dactylis 2033
Elymus 2033
fodder legumes 761
grain legumes 761
Hordeum 2033
Incarvillea emodi 1368
Leymus 2033
medicinal plants 1838
Nigella sativa 2130
Oryza sativa 753
Phleum 2033
Poa 2033
Psathyrostachys 2033
Saussurea lappa 2130
Palaeobotany
Abies resinosa 2494
Cathaya bergeri 2494
Cedrus vivariensis 2494
Nothofagus 985
Pinus 141, 2337, 2494
Pinus foisyi 141
Sciadopityostrobus kerae, cones 968
Taxodium, chloroplast genetics 2733
Palaeocarpinus joffrensis
Canada 1615
new species 1615
Palaeoecology
forest trees 982
forests 983
India 966
Pinus 2495
pollen analysis 962-966
UK 963-965
USA 962
Palatability
Artemisia tridentata 2802
Festuca arundinacea 2807
Palhinhaea cernua
China 2128
medicinal properties 2128
Palicourea
checklists 904
Costa Rica 904
distribution 904
Palm Oil Institute of Malaysia, organizations 2146
Palmae
botanical gardens 2302
Cameroon 2302
collecting missions 1048
conservation, books 1494
India 1494
Indonesia 1494
Malaysia 1494
minor forest products 2615
nature reserves 2302
Philippines 1494
Thailand 1048
utilization, books 1494
Panama
Coccoloba gentryi 1627
Coccoloba johnstonii 1627
Eurystyles cornu-bovis 1691
Festuca herrerae 831
Gurania sessiliflora 861
Ilex 2428
Ilex fortunensis 2428
Ilex maxima 2428
Ilex stellata 2428
Ocotea pharomachrosorum 2412
tropical forests 799
Panax notoginseng
China 2114
chromosome morphology 2114
chromosome number 2114
Pandanus
keys 1633
Papua New Guinea 1633
taxonomy 1633
Panicum
Caribbean 2354
Central America 2354
Egypt 1488
genetic resources 1488
keys 829, 2354
South America 829, 2354
taxonomy 829, 2354
Panicum aquaticum
Central America 837
new taxa 837
Panicum caparoense
Brazil 2354
new species 2354
Panicum hirtiglume
Benin 2353
new species 2353
Panicum laevinode
Australia 203
grazing 203
Panicum maximum
Africa 2163
Botswana 280-281
polyploidy 2163
seed dormancy 280
seeds, fire resistance 281
sexual reproduction 2163
Panicum miliaceum
China 2019
distribution 828
Europe 828
evaluation 2018-2019
forage 2018
Korea Republic 2018
taxonomy 828
Panicum miliare
India 2162
landraces 2162
varieties, Birsa Gundli-1 2162
Papaver, chloroplast genetics, taxonomy 1207
Papaver albiflorum
alkaloids 955
chemotaxonomy 955
Papaver bracteatum
alkaloids 954
Czechoslovakia 954
taxonomy 954
UK 954
Papaver confine
alkaloids 955
chemotaxonomy 955
Papaver dubium
alkaloids 955
chemotaxonomy 955

Papaver lecoqii
alkaloids 955
chemotaxonomy 955
Papaver nudicaule, seed treatment, germination 1118
Papaver orientale
alkaloids 954
Czechoslovakia 954
taxonomy 954
UK 954
Papaver pseudo-orientale
alkaloids 954
Czechoslovakia 954
taxonomy 954
UK 954
Papaver rhoes
alkaloids 955
chemotaxonomy 955
Papaver somniferum
cell culture, cryopreservation 2692
genetic transformation, opium alkaloids 490
genetics, papaverine 1379
India 1379
Papaverine, *Papaver somniferum,* genetics 1379
Paphiopedilum exul
characterization 2881
Thailand 2881
Papua New Guinea
Abelmoschus manihot 749
Barringtonia edulis 918
Barringtonia novae-hiberniae 918
Barringtonia procera 918
Colocasia esculenta 749
conservation 2970
crops 749
Dioscorea 749
Ipomoea batatas 749
Lepidopetalum fructoglabrum 902
Lepidopetalum micans 902
Lepidopetalum montanum 902
Lepidopetalum perrottetii 902
Lepidopetalum subdichotomum 902
Lepidopetalum xylocarpum 902
Manihot esculenta 749
Metroxylon 250
Metroxylon sagu 749
Musa 185-186, 471, 749
Musa acuminata 185
Musa balbisiana 185
Musa schizocarpa 185
Pandanus 1633
quarantine 2211
Saccharum 749
Theobroma cacao 749
Paraguay
forests 2271
Triticum aestivum 627
Paratecoma
distribution 903
keys 903
taxonomy 903
Pariana argentea
Central America 837
new species 837
Parkia singularis
new taxa 1635
South East Asia 1635
Parkia sumatrana
new taxa 1635
South East Asia 1635
Parmelia cirrhata
ethnobotany 2624
India 2624
Paspalidium
Central America 837
taxonomy 837
Paspalum atabapense
new species 843
Venezuela 843
Paspalum bertonii
apomixis 165
cytology 165
sexual reproduction 165
Paspalum dedeccae
apomixis 165
cytology 165
sexual reproduction 165
Paspalum denticulatum
apomixis 165
Paspalum denticulatum *cont.*
cytology 165
sexual reproduction 165
Paspalum dilatatum
sexual reproduction 1759
South America 1759
Paspalum distichum
apomixis 165
cytology 165
sexual reproduction 165
Paspalum guenoarum
seed treatment 2638
seeds
germination 2638
storage 2638
Paspalum inaequivalve
apomixis 165
cytology 165
sexual reproduction 165
Paspalum palustre
apomixis 165
cytology 165
sexual reproduction 165
Paspalum ramboi
apomixis 165
cytology 165
sexual reproduction 165
Paspalum tillettii
Colombia 843
new species 843
Venezuela 843
Passiflora brachyantha
Ecuador 873
new species 873
Passiflora escobariana
Colombia 874
new species 874
Passiflora juliana
Mexico 874
new species 874
Passiflora oaxacensis
Mexico 874
new species 874
Passiflora xiikzodz
Mexico 874
new species 874
Patatin, *Solanum berthaultii* 1310
Pathogens
Helianthus annuus, seed testing 1471
Ipomoea batatas, tissue culture 1469
quarantine 1449, 2212
seed testing 1450
Triticum aestivum, seeds 1461
Pea seed-borne mosaic potyvirus
Lens culinaris, seeds 1464
Pisum sativum, seeds 1464-1465
Peanut stripe potyvirus
Arachis cardenasii, disease resistance 1351
Arachis chacoense, disease resistance 1351
Arachis hypogaea, disease resistance 1351
Pedicularis racemosa, pollination 1765
Pelargonium alchemilloides
South Africa 2445
taxonomy 2445
Pelargonium cortusifolium
chemotaxonomy 932
taxonomy 932
Pelargonium crassicaule
chemotaxonomy 932
taxonomy 932
Pelargonium dichondrifolium
chemotaxonomy 932
taxonomy 932
Pelargonium echinatum
chemotaxonomy 932
taxonomy 932
Pelargonium grandiflorum, tissue culture, regeneration 413
Pelargonium hortorum, tissue culture, regeneration 414
Pelargonium incarnatum
chemotaxonomy 933
interspecific hybridization 933
Pelargonium odoratissimum
chemotaxonomy 932
taxonomy 932
Pelargonium patulum
chemotaxonomy 933
Pelargonium patulum *cont.*
interspecific hybridization 933
new taxa 1660
South Africa 1660
taxonomy 1660
Pelargonium reniforme
chemotaxonomy 932
taxonomy 932
Pelargonium sidoides
chemotaxonomy 932
taxonomy 932
Pelargonium zonale, tissue culture, regeneration 413
Pellaea glabella
chloroplast genetics
evolution 2744
taxonomy 2744
Pellicularia *(see also Thanatephorus)*
Peltigera polydactyla
ethnobotany 2624
India 2624
Pennisetum
chemotaxonomy 830
collecting missions 2550
Egypt 1488
genetic resources 1488
molecular genetics, evolution 1923
Namibia 2550
Pennisetum clandestinum, chemotaxonomy 830
Pennisetum glaucum
Africa 659
Arab Countries 2552
Asia 659
breeding, landraces 659
Chad 173
collecting missions 173, 2550, 2552
collections 2756
disease resistance
fungi 2020
Tolyposporium penicillariae 2794
gene banks 2756
germplasm, maintenance 658
inbreeding 658
India 658-659, 2756
interspecific hybridization 1922
landraces 658
Lesotho 173
Namibia 2550
restriction fragment length polymorphism, apomixis 1922
seed aging 2654
seeds
germination 276, 2654
storage 276, 2654
Somalia 173
stability, landraces 659
Swaziland 173
Tanzania 173
wide hybridization 2910
Zimbabwe 173
Pennisetum polystachion
collecting missions 1030
seeds
germination 277
light 277
storage 277
Uganda 1030
Pennisetum purpureum
collecting missions 1030
Uganda 1030
Pennisetum setaceum, chemotaxonomy 830
Pennisetum squamulatum
chemotaxonomy 830
interspecific hybridization 1922
restriction fragment length polymorphism, apomixis 1922
Pennisetum villosum, chemotaxonomy 830
Penstemon parryi, seed treatment, germination 322
Penstemon serrulatus
in vitro culture, iridoids 2736
iridoids 2687
medicinal properties 1204
micropropagation 2687
tissue culture, iridoids 481, 1204
Peperomia berteroana
Chile 818
evolution 818
taxonomy 818

Peperomia fernandeziana
Chile 818
evolution 818
taxonomy 818
Peperomia margaritifera
Chile 818
evolution 818
taxonomy 818
Peperomia okinawensis
Japan 124
new species 124
Peperomia skottsbergii
Chile 818
evolution 818
taxonomy 818
Peregrinus maidis, *Sorghum bicolor,* pest resistance 526
Pereilema diandrum
Central America 837
new species 837
Perennial habit, *Oryza rufipogon* 1849
Pereskia marcanoi
Dominican Republic 1644
new species 1644
Peridictyon, taxonomy 2364
Peridictyon sanctum
Bulgaria 2364
Greece 2364
new species 2364
Perileucoptera coffeella
Coffea arabica, pest resistance 2108
Coffea brevipes, pest resistance 2108
Coffea canephora, pest resistance 2108
Coffea congensis, pest resistance 2108
Coffea dewevrei, pest resistance 2108
Coffea eugenioides, pest resistance 2108
Coffea kapakata, pest resistance 2108
Coffea liberica, pest resistance 2108
Coffea racemosa, pest resistance 2108
Coffea salvatrix, pest resistance 2108
Coffea stenophylla, pest resistance 2108
Perilla
China 1041
oils 1041
Peronospora destructor
Allium cepa
disease resistance 1430
genetics 1430
Allium roylei
disease resistance 1430
genetics 1430
Peronospora farinosa
Spinacia oleracea, disease resistance 2839
Spinacia tetrandra, disease resistance 2839
Spinacia turkestanica, disease resistance 2839
Peronospora manshurica, *Glycine max,* disease resistance 2051
Peronospora parasitica
Brassica juncea, disease resistance 591
Brassica oleracea, cabbages, disease resistance 2838
Peronospora tabacina, *Nicotiana,* disease resistance 1445
Peronospora trifoliorum, *Medicago sativa,* disease resistance 2811
Persistence, *Oryza rufipogon* 1849
Peru
Allophylus pilosus 1645
Aptandra caudata 897
Banisteriopsis caapi 2602
Brugmansia suaveolens 2602
Brunfelsia grandiflora 2602
Catasetum incurvum 948
Catasetum violascens 948
collecting missions 1028
crops 1825
Cyperus 2602
Diplopterys cabrerana 2602
ethnobotany 2600-2601
Euterpe luminosa 1617
Gonzalagunia 1649
Gonzalagunia mildredae 1649
Gonzalagunia villosa 1649
Gynerium sagittatum 2366
Heliconia stricta 2602
Herrania 2602
Hippeastrum 2451
Ilex guayusa 2602
Peru *cont.*
Ipomoea batatas 2936
Ismene 2451
Leptochiton 2451
Licania vasquezii 882
Meliosma pumila 898
Meliosma simiarum 898
Meliosma sirensis 898
Meliosma youngii 898
Myrsine 1647
Phaseolus vulgaris 1081
Phragmipedium besseae 2459
Raritebe axillare 1649
Schmardaea microphylla 900
Solanum acaule 466
Solanum clivorum 1645
Solanum goniocaulon 1645
Solanum malletii 1645
Solanum smithii 1645
Solanum tovarii 1645
Solanum tuberosum 1308, 1533, 2502
Pest resistance
Aegilops squarrosa, Mayetiola destructor 1915
Arachis 1441
Arachis batizocoi, Mycosphaerella arachidis 2957
Arachis cardenasii, Mycosphaerella arachidis 2957
Arachis chacoensis, Mycosphaerella arachidis 2957
Arachis hypogaea 1441
Holotrichia serrata 2860
Mycosphaerella arachidis 2957
Aucuba japonica, Asphondylia aucubae 600
Beta, Heterodera schachtii 1354
Beta patellaris, Heterodera schachtii 1354
Beta procumbens, Heterodera schachtii 1354, 1444
Beta vulgaris, Heterodera schachtii 1444
Beta webbiana, Heterodera schachtii 1354
Brassica juncea
Athalia proxima 591
Lipaphis erysimi 591
breeding, nematoda 1390
Capsicum 1436
Cicer arietinum 1298
Coffea arabica, Perileucoptera coffeella 2108
Coffea brevipes, Perileucoptera coffeella 2108
Coffea canephora, Perileucoptera coffeella 2108
Coffea congensis, Perileucoptera coffeella 2108
Coffea dewevrei, Perileucoptera coffeella 2108
Coffea eugenioides, Perileucoptera coffeella 2108
Coffea kapakata, Perileucoptera coffeella 2108
Coffea liberica, Perileucoptera coffeella 2108
Coffea racemosa, Perileucoptera coffeella 2108
Coffea salvatrix, Perileucoptera coffeella 2108
Coffea stenophylla, Perileucoptera coffeella 2108
crops 2282
genetics 2909
insects 1989
Cucumis melo
Aulacophora foveicollis 576
Bemisia tabaci 1320, 2845
Myzus persicae 576
Cucumis metuliferus, Meloidogyne 585, 1328
Cucumis sativus
Diaphania hyalinata 576
Diaphania nitidalis 576
Meloidogyne 585, 1328
Cucurbita ecuadorensis, Bemisia tabaci 2845
Cucurbita lundelliana, Bemisia tabaci 2845
Erianthus bengalense, Eoreuma loftini 594
Pest resistance *cont.*
Erianthus trinii, Eoreuma loftini 594
Fragaria ananassa, Pratylenchus penetrans 2094
Fragaria chiloensis, Pratylenchus penetrans 2094
Fragaria virginiana, Pratylenchus penetrans 2094
genetic resources, nematoda 1230
Glycine max, Heterodera glycines 1288, 1290, 2823
Gossypium arboreum, Thysanoptera 2868
Gossypium barbadense, Amrasca devastans 2867
Gossypium hirsutum, Amrasca devastans 2867
Hordeum
hydroxamic acids 2788
Rhopalosiphum padi 2788
Hordeum bulbosum, Diuraphis noxia 646
Hordeum vulgare
hydroxamic acids 2788
Rhopalosiphum padi 2788
Lablab purpureus, Rhopalosiphum maidis 569
Lagenaria siceraria, Bemisia tabaci 2845
Lycopersicon esculentum
Meloidogyne 1193
Meloidogyne incognita 2185
Lycopersicon peruvianum
Manduca sexta 2706
Meloidogyne 1193
Meloidogyne incognita 2076, 2185
Miscanthus floridulus, Eoreuma loftini 594
Nicotiana, Nematoda 2865
Nicotiana repanda, Meloidogyne arenaria 2203
Nicotiana tabacum
Manduca sexta 2706
Meloidogyne arenaria 2203
Nematoda 2865
Oryza minuta
Nilaparvata oryzae 1262
Pyricularia oryzae 2167
Xanthomonas oryzae 2167
Oryza officinalis, Stenchaetothrips biformis 537
Oryza sativa 2923
Nilaparvata lugens 535, 2029
Orseolia oryzae 535
Pyricularia oryzae 2167
Sogatella furcifera 535
Stenchaetothrips biformis 537
Xanthomonas oryzae 2167
Ribes nigrum 2189
Rubus idaeus, Amphorophora agathonica 2188
Rubus strigosus, Amphorophora agathonica 2188
Saccharum officinarum, Eoreuma loftini 594
Saccharum spontaneum, Eoreuma loftini 594
Setaria italica, Atherigona biseta 1259
Solanum 2183
insects 2099
Solanum anomalum, Leucinodes orbonalis 2083
Solanum berthaultii, insects 2933
Solanum brevidens, Myzus persicae 2065
Solanum chacoense, Empoasca fabae 2181
Solanum etuberosum, Myzus persicae 2065
Solanum fernandezianum, Myzus persicae 2065
Solanum gilo, Leucinodes orbonalis 2083
Solanum mauritianum, insects 2099
Solanum melongena
Leucinodes orbonalis 2083
Tetranychus cinnabarinus 575
Solanum spegazzinii, Globodera rostochiensis 1934
Solanum tuberosum 2183
Empoasca fabae 2181
Globodera rostochiensis 1934
insects 2933
Sorghum bicolor
Peregrinus maidis 526
Schizaphis graminum 2017

Pest resistance *cont.*
Trifolium repens, Hypera postica 2039
Triticum aestivum
Diuraphis noxia 2780
insects 508
Mayetiola destructor 1915
Vigna, insects 2717
Vigna mungo, Callosobruchus maculatus 2063
Vigna radiata 1305
Callosobruchus chinensis 1303, 2177
Callosobruchus maculatus 1303, 2063, 2177
insects 2829
Vigna unguiculata, Aphis craccivora 562
Pesticidal plants
anthelmintics 1840
ethnobotany, books 2979
Nepal 1840
Pesticidal properties, *Artemisia absynthium* 604
Pests, *Oryza sativa*, genetics 2923
Petivera alliacea
Brazil 253
medicinal properties 253
Petiveria alliacea
ethnobotany 251
Guatemala 251
Petroselinum crispum
Italy 1475
seeds, *Plasmopara nivea* 1475
Petunia axillaris, genetics, esterases 1373
Petunia hybrida, genetics, esterases 1373
Petunia inflata
genetics, esterases 1373
molecular genetics, self incompatibility 1908
Petunia violacea, genetics, esterases 1373
Peucedanum muliense
China 1700
new species 1700
Peucedanum palustre, tissue culture, regeneration 2695
Peumus boldus, Chile 1079
Phacelia ranunculacea
Australia 2660
seed banks 2660
Phaeoisariopsis griseola, *Macroptilium atropurpureum*, disease resistance 2820
Phalaenopsis, tissue culture, regeneration 425
Phalaenopsis amboinensis, tissue culture, regeneration 425
Pharmaceutical products
Phyllanthus niruri 2896
rain forests 16
Solanum dulcamara 2209
Solanum viarum 2209
Solenostemma argel, in vitro culture 2741
Tripterygium wilfordii, cell culture 2738
Phaseolus (*see also Macroptilium; Vigna*)
chloroplast genetics, evolution 2716
collecting missions 174
evaluation 174
Phaseolus acutifolius
embryo culture 670
interspecific hybridization 669-670
nitrogen fixation 669
Phaseolus coccineus
Colombia 1296
disease resistance, *Phoma exigua* 1296
Phaseolus filiformis
interspecific hybridization 669
nitrogen fixation 669
Phaseolus lunatus
China 1286
Cuba 2329
distribution 2329
evaluation 1286
evolution 2329
hydrogen cyanide 1295
seeds 1295
Phaseolus polyanthus
Colombia 1296
disease resistance, *Phoma exigua* 1296
Phaseolus vulgaris
Chad 173
China 1286, 1292
collecting missions 173
Phaseolus vulgaris *cont.*
collections, bean common mosaic potyvirus 2214
disease resistance
Colletotrichum lindemuthianum 1292
Uromyces appendiculatus 557, 1293, 2056
Xanthomonas campestris 557, 1294
distribution, subsistence farming 1827
diversity, subsistence farming 1081
Dominican Republic 557
embryo culture 670
evaluation 1286, 2053-2055
genetic diversity 1731
growth period 1292
height 1292
interspecific hybridization 669-670
landraces 557, 1731, 2054-2055
Latin America 556
Lesotho 173
multivariate analysis 2053
nitrogen fixation 669
North America 1731
Peru 1081
photosynthesis 556
plant introduction 2176
random amplified polymorphic DNA, *Uromyces appendiculatus* 1931
restriction fragment length polymorphism, evolution 462
Rwanda 1827
seed treatment 2644-2645
seeds 1731
germination 2645
storage 2644-2645
Somalia 173
South America 1081
Spain 2053-2055
Swaziland 173
Tanzania 173
USA 2176
utilization 2176
Zimbabwe 173
Phebalium equestre
endangered species 415
micropropagation 415
Phebalium hillebrandii
endangered species 415
micropropagation 415
Phenolic acids, *Rumex acetosella* 1011
Philadelphus lasiogynus, taxonomy 109
Philadelphus pekinensis, taxonomy 109
Philadelphus scaber, taxonomy 109
Philadelphus schrenkii, taxonomy 109
Philadelphus seoulensis
Korea Republic 920
new species 920
taxonomy 109
Philadelphus tenuifolius, taxonomy 109
Philippines
algae 1227
Azolla 1227
Cocos nucifera 1224
green manures 1227
Leguminosae 1227
Oryza sativa 536, 1971
Palmae 1494
vegetables 1771
Philodendron, chemotaxonomy 2471
Phleum
China 2033
evaluation 2033
Pakistan 2033
Sweden 2033
Phoenix
chromosome morphology 2335
cytotaxonomy 2335
Egypt 1488
evolution 2335
genetic resources 1488
Phoenix reclinata
conservation 1085
Kenya 1085
multipurpose trees 1085
Phoma (*see also Leptosphaeria*)
Phoma exigua
Phaseolus coccineus, disease resistance 1296
Phaseolus polyanthus, disease resistance 1296
Phoma oleracea, *Helianthus*, disease resistance 1348
Photoperiodism
Fragaria ananassa 2091
Fragaria chiloensis 2091
Fragaria virginiana 2091
Hibiscus cannabinus 597
Hibiscus sabdariffa 597
Oryza rufipogon, genetics 1414
Oryza sativa, genetics 1414
Sorghum bicolor 2793
Photosynthesis
Fragaria ananassa 2092
Fragaria chiloensis 2092
Fragaria virginiana 2092
Gossypium barbadense 980
Gossypium hirsutum 980
Gossypium tricuspidatum 980
Lycopersicon esculentum, evolution 977
Phaseolus vulgaris 556
Triticum dicoccoides 506
Phragmipedium besseae
distribution 2459
Ecuador 2459
Peru 2459
Phragmites karka, seeds, germination 284
Phragmorchis teretifolia
Asia 118
taxonomy 118
Phragmotheca
keys 1629
Latin America 1629
taxonomy 1629
Phragmotheca ecuadorensis
Latin America 1629
new species 1629
Phragmotheca leucoflora, taxonomy 1630
Phragmotheca mammosa
Latin America 1629
new species 1629
taxonomy 1630
Phragmotheca siderosa, taxonomy 1630
Phyllanthus
antiviral properties 2893
ethnobotany 1832
hepatitis B virus 2893
medicinal properties 1832
Phyllanthus emblica
flowers 1763
India 307, 1763
salt tolerance 307
seeds 307
sex 1763
Phyllanthus niruri, pharmaceutical products 2896
Phyllosticta (*see also Ascochyta; Mycosphaerella*)
Phylogeny (*see* Evolution)
Physalis angulata
keys 87
taxonomy 87
Physalis grisea
North America 1602
taxonomy 1602
Physalis ixocarpa
characterization 2851
tissue culture, regeneration 1146
Physalis minima
keys 87
taxonomy 87
Physalis peruviana
keys 87
taxonomy 87
Physalis pruinosa
Central America 1602
Mexico 1602
taxonomy 1602
Physalis pubescens
India 87
keys 87
taxonomy 87
Phytolacca dodecandra
seed treatment 2697
seeds, germination 2697
vegetative propagation 2697
Phytophthora cambivora
Castanea crenata, disease resistance 2953
Castanea sativa, disease resistance 2953
Phytophthora capsici, *Capsicum annuum*, disease resistance 2843

Phytophthora cinnamomi
Castanea crenata, disease resistance 2953
Castanea sativa, disease resistance 2953
Phytophthora erythroseptica
Rubus crataegifolius, disease resistance 2188
Rubus idaeus, disease resistance 2188
Rubus parviflorus, disease resistance 2188
Rubus parvifolius, disease resistance 2188
Rubus spectabilis, disease resistance 2188
Rubus strigosus, disease resistance 2188
Phytophthora infestans
Lycopersicon esculentum 1317
Lycopersicon hirsutum 1317
Lycopersicon pimpinellifolium 1317
Solanum demissum, Disease resistance 2832
Solanum nigrum, Disease resistance 2832
Solanum phureja, disease resistance 1425
Solanum tuberosum
disease resistance 1425
Disease resistance 2832
Solanum villosum, Disease resistance 2832
Phytophthora nicotianae, *Nicotiana*, disease resistance 1445
Picea, conservation, grafting 2303
Picea abies
embryo culture, regeneration 406
isoenzymes 1360
tissue culture, regeneration 1160
Picea glauca
artificial seeds, storage 2684
embryo culture, storage 2684
interspecific hybridization 2684
Picea mariana
artificial seeds, storage 2684
embryo culture, storage 2684
interspecific hybridization 2684
tissue culture, cryopreservation 2683
Picea sitchensis, tissue culture, regeneration 405
Pilocarpus pennatifolius
fertility 2892
meiosis 2892
Pinus
centres of diversity 2423, 2495
distribution 2423
evolution 2336, 2495
Greece 2494
Mexico 2337, 2423
molecular genetics, taxonomy 1951
palaeobotany 141, 2337, 2494
palaeoecology 2495
taxonomy 2336-2337, 2423
USA 141, 2337
Pinus attenuata
mitochondrial genetics 2731
population genetics 2731
restriction fragment length polymorphism 2731
USA 2731
Pinus banksiana
mitochondrial genetics, taxonomy 2730
restriction fragment length polymorphism, taxonomy 2730
Pinus bungeana
chemotaxonomy 1651
China 1651
Pinus canariensis, tissue culture, regeneration 404
Pinus cembra, population genetics, isoenzymes 1751
Pinus contorta
mitochondrial genetics, taxonomy 2730
restriction fragment length polymorphism, taxonomy 2730
Pinus cretacea, taxonomy 101
Pinus densiflora
chemotaxonomy 1651
China 1651
chloroplast genetics
evolution 2729
taxonomy 2729
Pinus echinata
chloroplast genetics, taxonomy 1203
USA 1203
Pinus elliottii
chloroplast genetics, taxonomy 1203
tissue culture, regeneration 403
USA 1203
Pinus foisyi
palaeobotany 141
USA 141
Pinus halepensis
Greece 2424
surveys 2424
Pinus henryi
chemotaxonomy 1651
China 1651
Pinus koraiensis
chemotaxonomy 1651
China 1651
population genetics, isoenzymes 1751
Pinus massoniana
chemotaxonomy 1651
China 1651
Pinus muricata
mitochondrial genetics 2731
population genetics 2731
restriction fragment length polymorphism 2731
USA 2731
Pinus palustris
chloroplast genetics, taxonomy 1203
USA 1203
Pinus pinea
Italy 24
nature conservation 24
Pinus ponderosa
Canada 914
chemotaxonomy 914
genetic variation, isoenzymes 1752
USA 914, 1752
Pinus pumila, population genetics, isoenzymes 1751
Pinus radiata
mitochondrial genetics 2731
molecular genetics, taxonomy 1951
population genetics 2731
restriction fragment length polymorphism 2731
USA 2731
Pinus sibirica, population genetics, isoenzymes 1751
Pinus sylvestris
chemotaxonomy 913
chloroplast genetics
evolution 2729
taxonomy 2729
genetic variation 157
isoenzymes 1360
nature conservation 157, 2576
Russia 913
Switzerland 2576
taxonomy 101
UK 157
Pinus tabulaeformis
chemotaxonomy 1651
China 1651
Pinus taeda
chloroplast genetics, taxonomy 1203
USA 1203
Pinus taiwanensis
chemotaxonomy 1651
China 1651
Pinus thunbergii
chemotaxonomy 1651
China 1651
Piper betle
distribution 131
India 131
Piper clypeatum
distribution 131
India 131
Piper flavimarginatum
distribution 131
India 131
Piper longum, tissue culture, regeneration 1898
Piper methysticum
distribution 1382
genetic variation, isoenzymes 1382
Micronesia 1382
Polynesia 1382
Piper nigrum
Brazil 1170
tissue culture 1170
Piper wichmannii
distribution 1382
genetic variation, isoenzymes 1382
Micronesia 1382
Polynesia 1382
Piperaceae
taxonomy 2421
wood anatomy 2421
Pisum sativum
breeding 2174
collecting missions 174, 1030
databases 497
evaluation 174, 1745, 2046, 2827
gene banks 497
genetic resources 755
India 1464
landraces 1745, 2827
Mediterranean countries 755
seed testing, *Pseudomonas syringae* 1450
seed treatment
Ascochyta pisi 1466
germination 262, 293
Sclerotinia sclerotiorum 1466
seeds
germination 2648
pea seed-borne mosaic potyvirus 1464-1465
quarantine 1465
storage 260, 2648
viability 260
Spain 1745, 2827
Uganda 1030
UK 497
West Asia 755
Pithecellobium micranthum
South America 1624
taxonomy 1624
Planning, forests, conservation 2322
Plant colonization
Abutilon theophrasti 1758
forests 1073
Helianthus 2497
Hypericum gentianoides 1758
Impatiens capensis 1758
Iris 2497
Plantago aristata 1758
Senecio 2497
Spartina 2497
Tragopogon 2497
Plant communities
angiosperms 195
Artemisia tridentata 1789
Avena sterilis 1786
Bryophyta 195
Carex curvula 1808
Eucalyptus creba 1078
farm woodlands 193
flora 237, 1783, 2577
nature reserves 194
forest trees 1071
forests 21, 23, 235, 1067-1070, 1075-1076, 1779-1780, 1782, 1809, 2578, 2593-2595, 2597
diversity 1074, 1079
grasses 1800
grasslands 198-200, 204-206, 211-215, 218-219, 221, 223-224, 226-230, 743, 1052, 1056, 1061-1065, 1779-1780, 1782, 1784, 1786-1789, 1792-1795, 1798-1799, 1801-1805, 2578, 2580-2581, 2584, 2589, 2591
books 2989
burning 220, 1058, 1060, 1785, 2592
cutting 2585
drought resistance 216
environmental degradation 217, 233
fertilizers 2586-2587
grazing 207-209, 216, 222, 231-233, 1055, 1058-1060, 1785, 1790, 1797, 2579, 2583, 2585, 2588
land use 231
nature conservation 217
Hordeum bulbosum 1786
Hordeum spontaneum 1786
Medicago 1786
Prosopis glandulosa 1078
rain forests, grazing 1055
salt land 236
seed banks 1090
Trifolium 1786
woodlands 1056, 2596

Plant communities *cont.*
woodlands *cont.*
diversity 1077
grazing 1055
Plant competition
Microstegium vimineum, endangered species 1813
wild plants 1812
Plant composition
Allium cepa 1314
Capsicum annuum 2844
Dioscorea 2069
Elaeagnus angustifolia 1772
Gardenia tahitensis 2878
Icacina senegalensis 2884
Lycopersicon esculentum 2841
Lycopersicon peruvianum 2841
Nicotiana tabacum 2866
Sindora velutina 2874
Telfairia occidentalis, evaluation 2086
wild plants 610
Plant embryos
Coffea liberica, cryopreservation 1096
Musa acuminata, cryopreservation 1144
Musa balbisiana, cryopreservation 1144
Triticum aestivum
cryopreservation 1126
storage 1126
Vigna unguiculata, cryopreservation 1096
Plant hairs
Lycopersicon 2830
Silene dioica, genetics 2126
Solanum 2830
Solanum berthaultii 2066, 2830
Solanum tuberosum 2066
Plant introduction
Arachis hypogaea 2195
Beta vulgaris, sugarbeet 2200
Chamaecytisus proliferus 912
Chile 1080
Cocos nucifera 2492
crops 1820-1823, 1964, 1986
books 2986
endangered species 26
Eragrostis lehmanniana 234
ferns 2963
Glycine max 178
Gossypium arboreum 91
Gossypium barbadense 91
Gossypium herbaceum 91
Gossypium hirsutum 91
grain legumes 2175
Helianthus 2193
Helianthus annuus 2193
history 1501
industrial crops 2187
Medicago 1986
Microstegium vimineum 1813
ornamental plants 503
Phaseolus vulgaris 2176
Ribes uva-crispa 1335
Saccharum 2198
Saccharum officinarum 2198
Solanaceae 822
Sorghum bicolor 1216
Tetraclinis articulata 102
Trifolium 1986, 2040
Trifolium hybridum 2040
Trifolium quartinianum 2040
Trifolium rueppellianum 2040
Trifolium steudneri 2040
Trifolium tembense 2040
Triticum aestivum 627
Plant succession
Eucalyptus creba 1078
forests 2597
grasslands 212, 226, 1056, 1066, 1792, 2581
Prosopis glandulosa 1078
woodlands 1056
fires 1077
Plantago
Australia, Asia 729
chloroplast genetics 2740
collections 13
Europe 2740
genetic resources 13
networks 729
inbreeding 1022
outcrossing 1022
Plantago *cont.*
restriction fragment length polymorphism 2740
South East Asia 13
Plantago aristata
plant colonization 1758
population dynamics 1758
seed dispersal 1758
USA 1758
Plantago media
distribution 957
ecotypes 957
Europe 957
Plantago sempervirens, chemotaxonomy 2475
Plasmopara halstedii
Helianthus, disease resistance 1348
Helianthus annuus
disease resistance 697
genetics 697
Plasmopara nivea, *Petroselinum crispum*, seeds 1475
Plasmopara viticola
Vitis, disease resistance 1338
Vitis vinifera, disease resistance 1338
Platanthera integrilabia
endangered species 1858
seeds
germination 1858
storage 1858
USA 1858
Platanthera pallida
new species 949
USA 949
Platanthera praeclara
endangered species 2546
pollination 2546
USA 2546
Platonia insignis
Brazil 1170
tissue culture 1170
Platycerium bifurcatum, tissue culture, regeneration 431
Pleiochaeta setosa, *Lupinus albus*, seeds 2213
Pleurothallis erebatensis
new species 2462
Venezuela 2462
Pleurothyrium
Latin America 2402
taxonomy 2402
Pleurotus cystidiosus
evaluation 609
Greece 609
taxonomy 609
Pleurotus eryngii
evaluation 609
Greece 609
taxonomy 609
Pleurotus ostreatoroseus
Brazil 709
utilization 709
Pleurotus ostreatus
evaluation 609
Greece 609
taxonomy 609
Pleurotus pulmonarius
evaluation 609
Greece 609
taxonomy 609
Poa
China 2033
evaluation 2033
Pakistan 2033
Sweden 2033
Poa acroleuca
Japan 1575
new taxa 1575
Poa alpina
Canada 1275
salt tolerance 1275
Poa annua
ecotypes 996
genetic variation 996
USA 996
Poa argunensis
ecotypes 832
Siberia 832
taxonomy 832
Poa labillardieri
Australia 2513
Poa labillardieri *cont.*
ecotypes 2513
genetic variation, morphology 2513
molecular genetics 2513
polyploidy 2513
Poa labradorica
Canada 1709
evolution 1709
Poa pratensis
Norway 2804-2805
soil compaction 2804
soil pH 2805
tissue culture, regeneration 416
Poa rangkulensis
ecotypes 832
Siberia 832
taxonomy 832
Poa supina
chromosome number 539
Czechoslovakia 539
Poa* × *Dupontia, intergeneric hybridization 1709
Podocarpus acuminatus
Brazil 1652
new species 1652
Venezuela 1652
Podocarpus alpinus
Australia 158
distribution 158
ecology 158
population dynamics 158
Podophyllum peltatum, embryo culture, regeneration 1899
Poisonous plants, ethnobotany, books 2979
Poland
Aegilops × *Triticum* 2154
Anthyllis vulneraria 2520-2521
Avena sativa 2008
crops 2139
Hordeum × *Triticum* 2154
Lolium × *Triticum* 2154
Lonicera nigra 2115
Lonicera xylosteum 2115
Rubus pyramidaliformis 1599
Secale × *Triticum* 2154
Trifolium pratense 2517, 2816
triticale 2009
Triticum aestivum 1996
Triticum durum 1997
Policy
biodiversity 2320
conservation 808, 1551, 1558, 2272, 2316
Developed Countries 804
environmental degradation 804, 806
flora, conservation 1543
forests 810, 2323
conservation 811
gene banks 1552
genetic erosion 804
genetic resources 29, 1547
on-farm conservation 1548, 1556
Oryza sativa 1910
sustainability 804, 1554-1555, 1557, 2272
Theobroma cacao 1910
tropical forests 2291
USA 2317
Politics
biotechnology 28
genetic resources 28, 31, 801, 809
USA 2321
Pollen
Acer 2543
Brassica napus
cryopreservation 384, 1148
storage 1149
Buxus 2338
Chionachne koenigii 1992
Citrus tachibana
germination 1438
storage 1438
Clianthus formosus, storage 419
Coix 1992
Crambe, taxonomy 877
Crotalaria saltiana
storage 388
viability 388
Cyanella 2452
Cycas thouarsii, storage 2685
Cyphomandra 1764

Pollen *cont.*
Cyphomandra betacea 1764
storage 1764
Cyphomandropsis 1764
Dactylis glomerata
allergens 2034
cryopreservation 1129
germination 1129
storage 2034
Draba, taxonomy 1678
Encephalartos, storage 2685
Helianthus 2542
Helianthus annuus 2542
Helianthus scaberrimus 2542
Lotus 2371
Medicago sativa 166
Prunus davidiana
domestication 2331
taxonomy 2331
Prunus ferganensis
domestication 2331
taxonomy 2331
Prunus kansuensis
domestication 2331
taxonomy 2331
Prunus persica
domestication 2331
storage 1878
taxonomy 2331
Rhododendron 1979
Rosa, cryopreservation 2688
Solanum 1015
Solanum muricatum 1015
Stenandrium 2442
storage 1957
Trilobachne cooki 1992
Vitis vinifera
cryopreservation 374
storage 374
Zea diploperennis 1992
Zea luxurians 1992
Zea mays 1992
cryopreservation 2666
Pollen analysis, palaeoecology 962-966
Pollen competition, *Hibiscus moscheutos* 1023
Pollen culture (*see* Anther culture)
Pollen germination
Arisarum vulgare 2545
Cicer arietinum 169
Cicer bijugum 169
Cicer cuneatum 169
Cicer judaicum 169
Cicer reticulatum 169
Fagopyrum cymosum 2535
Fagopyrum esculentum 2535
Fagopyrum leptopodum 2535
Fagopyrum urophyllum 2535
Lycopersicon esculentum 2540
Lycopersicon peruvianum 2540
Solanum melongena 2540
Solanum sisymbriifolium 2540
Pollination
Aerangis ellisii 2547
Campanula afra 1018
Campanula dichotoma 1018
Campanula kremeri 1018
Campanula lusitanica 1018
Campanula persicifolia 1018
Campanula rotundifolia 1018
Cucumis sativus 1012
Ficus natalensis 1014
Ficus thonningii 1014
Hibiscus moscheutos 1023
Kigelia pinnata 1020
Medicago sativa 166
Musa acuminata 1762
Musa salaccensis 1762
Pedicularis racemosa 1765
Platanthera praeclara 2546
Prosopis chilensis 1016
Prosopis flexuosa 1016
Prosopis pugionata 1016
Prunus mahaleb 2541
Prunus spinosa 2541
wild plants 172
Polygala bawanglingensis
China 129
new species 129
Polygonum
Russia 1850
Polygonum *cont.*
seeds, storage 1850
Polygonum aviculare
distribution 1698
taxonomy 1698
Ukraine 1698
Polygonum bistorta
distribution 1698
taxonomy 1698
Ukraine 1698
Polygonum hydropiper
distribution 1698
taxonomy 1698
Ukraine 1698
Polygonum karacae
new species 922
Turkey 922
Polygonum lapathifolium
distribution 1698
taxonomy 1698
Ukraine 1698
Polygonum minus
distribution 1698
taxonomy 1698
Ukraine 1698
Polygonum persicaria
distribution 1698
taxonomy 1698
Ukraine 1698
Polygonum weyrichii, seeds, storage 1850
Polymerase chain reaction
Aegilops
gliadin 448
glutenins 448
Musa 472
Triticum
gliadin 448
glutenins 448
Polymnia sonchifolia, tissue culture, regeneration 337
Polymyxa betae
Beta patellaris, disease resistance 2199
Beta procumbens, disease resistance 2199
Beta vulgaris, disease resistance 2199
Polynesia
Colocasia esculenta 2834
Piper methysticum 1382
Piper wichmannii 1382
Polyphenol oxidase
Solanum berthaultii 2066
Solanum tuberosum 2066
Polyploidy
Acacia 156
Asclepiadaceae 1377
Cicer arietinum 2058
Cicer bijugum 2058
Cicer judaicum 2058
Crotalaria, evolution 596
Cucumis diniae 1594
Cucumis prophetarum 1594
Cucumis zeyheri 1594
Draba 819, 2544
Draba alpina 819
Draba crassifolia 819
Draba oxycarpa 819
Erysimum 1674
Eschscholzia minutiflora 114
evolution 967
Fagopyrum esculentum 2924
Fagopyrum tataricum 2924
ferns, evolution 2496
Gossypium 981
Gymnocarpium dryopteris 2341
Ipomoea batatas 976, 2562
Ipomoea trifida 976
Jasminium 1726
Lonicera 1601
Lotus corniculatus 35
Manihot epruinosa 2930
Manihot esculenta 1429, 2930
Manihot glaziovii 2930
Manihot pseudoglaziovii 1429
Medicago borealis 664
Mentha 1725
Milium effusum 138
Milium montianum 138
Milium vernale 138
nomenclature 33
Panicum maximum 2163
Poa labillardieri 2513
Solanum, tuberous species 2067
Polyploidy *cont.*
Solanum acaule 1427
Solanum commersonii 1427
Solanum gourlayi 1427
Solanum tuberosum 815
Sorghum versicolor 1411
Triticum 639, 971
Tuberaria commutata 1565
Tuberaria conspicua 1565
Tuberaria guttata 1565
Poncirus trifoliata, embryo culture, cryopreservation 377
Population dynamics
Abutilon theophrasti 1758
forests 2529
grasslands 230
Hypericum gentianoides 1758
Impatiens capensis 1758
Lagarostrobos franklinii 159
Oryza rufipogon 994
Plantago aristata 1758
Podocarpus alpinus 158
Population genetics 2507, 2747
Anemone narcissiflora 1755
Astragalus 1730
books 2237
Borago officinalis 1757
Bromus tectorum 998-1000
collections 145
conservation 785, 2508
books 2983
endangered species 1526, 1734-1736, 2505
forest trees 1530, 1749-1750, 2975
forests 991, 2530
Gossypium barbadense 155
Gossypium hirsutum 155
Hakea sericea 1005
Impatiens capensis 1756
Ipomopsis aggregata 1008
Limnanthes floccosa 1748
Lotus corniculatus 2518
Microseris bigelovii 1009, 1205
Oryza rufipogon 993, 1742
Oryza sativa 1742
Pinus attenuata 2731
Pinus cembra, isoenzymes 1751
Pinus koraiensis, isoenzymes 1751
Pinus muricata 2731
Pinus pumila, isoenzymes 1751
Pinus radiata 2731
Pinus sibirica, isoenzymes 1751
Rhus copallina 1007
Rhus glabra 1007
Rhus michauxii 1007
Salvia pratensis 2532
sampling, endangered species 1737
Scabiosa columbaria 2532
Triticum aestivum 2510
Vitis riparia 1004
Vitis vinifera 1004
Populus
chemotaxonomy 2398
disease resistance, *Xanthomonas populi* 598, 1361
in vitro culture, *Xanthomonas populi* 598
mitochondrial genetics
adenosinetriphosphatase 1949
cytochrome-*c* oxidase 1949
tissue culture, *Xanthomonas populi* 1361
Populus acuminata, chemotaxonomy 887
Populus alba, molecular genetics 1202
Populus angustifolia, chemotaxonomy 887
Populus deltoides
chemotaxonomy 887
molecular genetics 1202
Populus generosa, chemotaxonomy 887
Populus maximowiczii, molecular genetics 1202
Populus nigra, molecular genetics 1202
Populus sargentii, chemotaxonomy 887
Populus tremula
disease resistance, *Xanthomonas populi* 598
in vitro culture, *Xanthomonas populi* 598
Populus trichocarpa
chemotaxonomy 887
molecular genetics 1202
Porteresia coarctata, seed treatment, germination 1851

Portugal
Brassica 2072
forests 1089
grasslands 1062, 1089, 2586
Triticum durum 1995
Post harvest treatment
Ipomoea batatas
Botryodiplodia theobromae 570
Ceratocystis fimbriata 570
Erwinia chrysanthemi 570
Fusarium solani 570
Rhizopus 570
Rhizopus stolonifer 570
storage 570
Potato X potexvirus
Solanum brevidens 2831
Solanum tuberosum 2831
Potato Y potyvirus
Solanum brevidens 2831
Solanum tuberosum 2831
Potentilla contigua, interspecific hybridization 2438
Potentilla drummondii, taxonomy 1677
Potentilla makaluensis
Nepal 1667
new species 1667
Potentilla microcontigua
Nepal 2438
taxonomy 2438
Potentilla microphylla, interspecific hybridization 2438
Potentilla morefieldii
new species 1677
USA 1677
Pratylenchus penetrans
Fragaria ananassa, pest resistance 2094
Fragaria chiloensis, pest resistance 2094
Fragaria virginiana, pest resistance 2094
Primary health care, medicinal plants 1839
Primitive cultivars (*see* Landraces)
Primula
China 111
new species 111
new taxa 111
Prosopis
Argentina 2765
gene banks 2765
Prosopis chilensis
Argentina 1016, 2765
gene banks 2765
pollination 1016
Prosopis dilensis
Argentina 2765
gene banks 2765
Prosopis flexuosa
Argentina 1016
pollination 1016
Prosopis glandulosa
plant communities 1078
plant succession 1078
USA 1078
Prosopis pugionata
Argentina 1016
pollination 1016
Prosopis tamarugo, tissue culture, regeneration 348
Protea, taxonomy 2432
Protein content, *Triticum dicoccum* 1244
Proteinase inhibitors
Glycine, genetics 2822
Lycopersicon peruvianum
gene expression 2706
molecular genetics 1194
Nicotiana tabacum, genetic transformation 2706
Proteins
Amaranthus, taxonomy 2356
Amaranthus graecizans, taxonomy 2356
Amaranthus hybridus, taxonomy 2356
Gliricidia sepium, genetic variation 2531
Hordeum vulgare 1252
Lens culinaris, genetic variation 150
Lens nigricans, genetic variation 150
Solanum, tuberous species 2064
Solanum acaule 2064
Solanum chacoense 2064
Solanum polyadenium 2064
Solanum sucrense 2064
Solanum tuberosum 1308, 2064
Triticum boeoticum 1238
Triticum dicoccoides 1238
Proteins *cont.*
Triticum urartu 1238
Vigna unguiculata 563
Protium
keys 1626
new taxa 1626
South America 1626
Protium bahianum
Brazil 1641
new taxa 1641
Protium carolense
new species 1626
South America 1626
Protium icicariba
Brazil 1641
new taxa 1641
Protium morii
new species 1626
South America 1626
Protium strumosum
new species 1626
South America 1626
Protoplast fusion 1388
Brassica (×) *Moricandia* 474
Citrus (×) *Murraya* 1439
Lycopersicon 2942
Lycopersicon esculentum 2940, 2943
Lycopersicon peruvianum 2940, 2943
Lycopersicon (×) *Solanum* 469, 681, 685, 1424
Medicago coerulea 665
Medicago sativa 665
Moricandia (×) *Brassica* 474
Murraya (×) *Citrus* 1439
Nicotiana repanda 2203
Nicotiana rustica 703, 2202
Nicotiana sylvestris 2203
Nicotiana tabacum 703, 2202-2203
Solanum aethiopicum 2186
Solanum brevidens 465, 678, 2180, 2718, 2831, 2934
Solanum chacoense 1426
Solanum dulcamara 2209
Solanum melongena 2186
Solanum torvum 2932
Solanum tuberosum 465, 678, 1426, 2180, 2718, 2831, 2932, 2934
Solanum viarum 2209
Solanum (×) *Lycopersicon* 469, 681, 685, 1424
Protoplasts
Agaricus bisporus 492
Agrostis stolonifera, regeneration 339
Allium aflatunense 468
Allium cepa 468
Allium fistulosum 468
Allium karataviense 468
Allium longicuspis 468
Allium nutans 468
Allium odorum 468
Allium ramosum 468
Allium sativum 468
Allium schoenoprasum 468
Carica cauliflora, regeneration 378
Carica papaya, regeneration 378
Catharanthus roseus, cryopreservation 1173-1174
Digitalis lanata, cryopreservation 1897
Lycopersicon chilense, regeneration 1876
Moricandia arvensis, regeneration 382
Onobrychis viciifolia, regeneration 343
Oryza barthii 335
Oryza officinalis 335
Oryza rufipogon 335
Oryza sativa 335
Provenance trials, *Pseudotsuga menziesii* 774
Prunus
biotechnology 1942
collections 2763
Spain 2763
taxonomy 2383
Prunus arborea, new taxa 2380
Prunus armeniaca
evaluation 2847
Mexico 2847
Prunus cerasifera, chemotaxonomy 866
Prunus cerasus
collections 2848
flowering 2848
interspecific hybridization 2848
Prunus cocomilia, chemotaxonomy 866
Prunus davidiana
domestication, pollen 2331
taxonomy, pollen 2331
Prunus domestica, chemotaxonomy 866
Prunus dulcis
collections 2763
flowers 2100
India 2100
seeds 2100
Spain 2763
Prunus ferganensis
domestication, pollen 2331
taxonomy, pollen 2331
Prunus fruticosa, interspecific hybridization 2848
Prunus kansuensis
domestication, pollen 2331
taxonomy, pollen 2331
Prunus mahaleb
flowering 2541
pollination 2541
Spain 2541
Prunus pensylvanica
Canada 2947
utilization 2947
Prunus persica
Brazil 2761
conservation 2288
domestication, pollen 2331
endangered species 2288
evaluation 2288
gene banks 2761
genetics, catalase 1333
pollen, storage 1878
taxonomy, pollen 2331
Yugoslavia 2288
Prunus salicina
Brazil 2761
gene banks 2761
Prunus serotina
breeding 2948
Ecuador 2948
Italy 2948
Prunus spinosa
chemotaxonomy 866
flowering 2541
pollination 2541
Spain 2541
Prunus triloba, chemotaxonomy 866
Prunus virginiana
Canada 2947
utilization 2947
Psathyrostachys
breeding 660
China 2033
evaluation 2033
molecular genetics
evolution 1913
numerical taxonomy 1913
Pakistan 2033
Sweden 2033
Psathyrostachys* × *Elymus, intergeneric hybridization 661, 2037
Psathyrostachys* × *Hordeum, intergeneric hybridization 1409
Psathyrostachys* × *Triticum, intergeneric hybridization 1406
Pseudogynoxys cabrerae
characterization 1370
South America 1370
Pseudomonas solanacearum
Ipomoea batatas, disease resistance 1311
Solanum integrifolium, disease resistance 2084
Solanum melongena, disease resistance 2084
Solanum sanitwongsei, disease resistance 2084
Solanum tovum, disease resistance 2084
Pseudomonas syringae
Lycopersicon peruvianum 1317
Lycopersicon pimpinellifolium 1317
Nicotiana, disease resistance 1445, 2865
Nicotiana tabacum, disease resistance 2865
Pisum sativum, seed testing 1450
Vigna unguiculata, seed treatment 1467
Pseudoperonospora cubensis
Cucumis, disease resistance 1332

Pseudoperonospora cubensis *cont.*
Cucumis africanus, disease resistance 1332
Cucumis ficifolius, disease resistance 1332
Cucumis figarei, disease resistance 1332
Cucumis leptodermis, disease resistance 1332
Cucumis meeusii, disease resistance 1332
Cucumis metuliferus, disease resistance 1332
Cucumis myriocarpus, disease resistance 1332
Cucumis sagittatus, disease resistance 1332
Pseudoroegneria, numerical taxonomy 2360
Pseudoroegneria geniculata
chromosome pairing 2036
genomes 2036
interspecific hybridization 2036
Pseudotsuga menziesii
history 774
isoenzymes 1360
provenance trials 774
Psidium guajava
India 307
salt tolerance 307
seeds 307
Psilanthus
India 1605
keys 1605
taxonomy 1605
Psilanthus bababudanii
India 1605
new species 1605
Psilanthus bridsoniae
India 1605
new species 1605
Psilanthus fragrans
Bangladesh 1605
keys 1605
taxonomy 1605
Psilanthus malabaricus
India 1605
new species 1605
Psophocarpus grandiflorus, chromosome number 1307
Psophocarpus lancifolius, chromosome number 1307
Psophocarpus lecomtei, chromosome number 1307
Psophocarpus palustris, chromosome number 1307
Psophocarpus tetragonolobus
China 1286
evaluation 1286
Psychotria colorata
Brazil 253
medicinal properties 253
Pteridophyta
botanical gardens 2306
conservation 2306
endangered species 2306
isoenzymes 2307
Japan 2903
North America 2902
ornamental value 2901-2903
South Africa 2901
spores, conservation 2307
UK 2306
Pteris
interspecific hybridization 2882
ornamental value 2882
taxonomy 2882
Puccinellia
keys 61
taxonomy 61
Ukraine 61
Puccinellia bilykiana
keys 61
taxonomy 61
Ukraine 61
Puccinellia brachylepis
keys 61
taxonomy 61
Ukraine 61
Puccinellia chinampossis
China 1274
salt tolerance 1274
Puccinellia distans
keys 61
Puccinellia distans *cont.*
taxonomy 61
Ukraine 61
Puccinellia fominii
keys 61
taxonomy 61
Ukraine 61
Puccinellia hauptiana
keys 61
taxonomy 61
Ukraine 61
Puccinellia limosa
keys 61
taxonomy 61
Ukraine 61
Puccinellia nuttalliana
keys 61
taxonomy 61
Ukraine 61
Puccinellia poecilantha
keys 61
taxonomy 61
Ukraine 61
Puccinellia syvaschica
keys 61
taxonomy 61
Ukraine 61
Puccinellia tenuiflora
China 1274
salt tolerance 1274
Puccinellia tenuissima
keys 61
taxonomy 61
Ukraine 61
Puccinia arachidis
Arachis, disease resistance 2194
Arachis batizocoi, disease resistance 698
Arachis cardenasii, disease resistance 698
Arachis chacoense, disease resistance 698
Arachis duranensis, disease resistance 698
Arachis hypogaea, disease resistance 698
Puccinia coronata
Avena abyssinica, disease resistance 1254
Avena barbata, disease resistance 1254
Avena byzantina, disease resistance 1254
Avena nuda, disease resistance 1254
Avena sativa, disease resistance 1253-1254
Puccinia graminis
Triticum aestivum
disease resistance 1401
genetics 1401
Triticum araraticum
disease resistance 1401
genetics 1401
Triticum durum
disease resistance 1397
genetics 1397
Puccinia helianthi
Helianthus annuus, disease resistance 1349, 2101, 2856
Helianthus argophyllus, disease resistance 2856
Helianthus petiolaris, disease resistance 2856
Puccinia recondita
Aegilops, disease resistance 2784
Hordeum × *Triticum*, disease resistance 651
Triticum, disease resistance 2784
Triticum aestivum, disease resistance 1245
Triticum dicoccum, disease resistance 1998
Triticum durum, disease resistance 1998
Triticum monococcum, disease resistance 1998
Triticum timopheevii, disease resistance 1998
Triticum × *Hordeum*, disease resistance 651
Puccinia striiformis
Aegilops × *Triticum*, disease resistance 631
Triticum dicoccoides, disease resistance 2778
Triticum durum, disease resistance 2777
Puccinia striiformis *cont.*
Triticum × *Aegilops*, disease resistance 631
Pueraria
collecting missions 2559
Thailand 2559
Vietnam 2559
Pueraria candollei
Indochina 1586
taxonomy 1586
Thailand 1586
Pueraria maesenii
new species 1586
Thailand 1586
Pueraria rigens
Indochina 1586
taxonomy 1586
Thailand 1586
Pulses (*see* Grain legumes)
Pyricularia oryzae
Oryza minuta
disease resistance 1262
genetics 2167
pest resistance 2167
Oryza sativa
disease resistance 1261, 1264
genetics 2167
pest resistance 2167
Pyrus
China 11, 1772
distribution 11
evaluation 11
surveys 1772
Pyrus betulifolia
China 11
distribution 11
evaluation 11
Pyrus calleryana
China 11
distribution 11
evaluation 11
Taiwan 2382
taxonomy 2382
Pyrus communis, tissue culture, cryopreservation 1141
Pyrus pyrifolia, tissue culture, cryopreservation 1141
Pyrus taiwanensis
new species 2382
Taiwan 2382
Pyrus ussuriensis
China 11
distribution 11
evaluation 11
Quality
Helianthus annuus, seeds 311
Medicago sativa 1281
Medicago varia 1281
Triticum boeoticum 1238
Triticum dicoccoides 1238
Triticum urartu 1238
Quarantine 1481
Asia 1449
Averrhoa carambola, *Anastrepha suspensa* 716
Canada 2212
checklists 1449
Europe 2965
European Community 711
fruit crops 714
Hevea, *Microcyclus ulei* 1449
Ipomoea batatas, *Cylas formicarius* 2968
Italy 1456
legislation 1456
Manihot esculenta, germplasm 2967
Middle East 1458
Musa, *in vitro* culture 715
Oceania 1449
Oryza sativa
diseases 1463
seeds 1463
Papua New Guinea 2211
pathogens 1449, 2212
Pisum sativum, seeds 1465
Rosa alba, *Coniothyrium fuckelii* 2215
Rosa rugosa, *Coniothyrium fuckelii* 2215
seeds 1457-1458
Solanum tuberosum
Globodera 1468
Synchytrium endobioticum 1468
Sorghum bicolor 1216

Quarantine *cont.*
South East Asia 1457
Sweden 711
Triticum aestivum, seeds 1461
Zingiber officinale, insect pests 2216
Quercus
centres of diversity 2393
distribution 2393
embryo culture, cryopreservation 2682
Georgia 2575
in situ conservation 2575
Mexico 2393
nature reserves 2575
taxonomy 2393
Quercus acutissima
India 2394
taxonomy 2394
Quercus arizonica
seed treatment 2655
seeds
germination 2655
storage 2655
USA 2655
Quercus coahuilensis
keys 2396
Mexico 2396
new species 2396
Quercus crenata
distribution 2397
endangered species 2397
Italy 2397
Quercus emoryi
seed treatment 2655
seeds
germination 2655
storage 2655
USA 2655
Quercus hintoniorum
keys 2396
Mexico 2396
new species 2396
Quercus hypoxantha
keys 2396
Mexico 2396
taxonomy 2396
Quercus ilex
Italy 2395
taxonomy 2395
Quercus mcvaughii
Mexico 886
new species 886
Quercus miquihuanensis
keys 2396
Mexico 2396
new species 2396
Quercus petraea
tissue culture
regeneration 1154
storage 1154
Quercus robur
tissue culture
regeneration 394, 1154
storage 1154
Quercus rotundifolia
Spain 2395
taxonomy 2395
Quercus rubra, tissue culture, regeneration 393
Quercus serrata
India 2394
taxonomy 2394
Quercus suber, in vitro culture, regeneration 1157
Rain forests
Africa 2978
Amazonia 795
Australia 22, 744, 1534
botanical gardens 2302
Brazil 1506, 2612
Cameroon 2302
Central Africa 1607
checklists 2332
conservation 795, 1534, 2978
distribution 2332
diversity, books 1492
economics 2609
environmental degradation 1506
ethnobotany 2607-2609
evolution 2332
Guatemala 2269
indigenous knowledge 2607
Rain forests *cont.*
Indonesia 732, 2269
keys 1607
Mexico 2332
minor forest products 795, 2608, 2610, 2612
nature conservation 22, 246, 732, 744
nature reserves 22, 2269, 2302
pharmaceutical products 16
plant communities, grazing 1055
rural economy 2612
South America 2610
sustainability 246, 1506, 2609-2610
taxonomy 1607
Tropics 246
Ramirezella, chloroplast genetics, evolution 2716
Random amplified polymorphic DNA
Allium, taxonomy 1937
Brassica, taxonomy 473
Brassica oleracea 1938
Glycine clandestina, evolution 461
Glycine max, evolution 461
Glycine soja, evolution 461
Glycine tomentella, evolution 461
Lycopersicon esculentum 2722
Medicago 2715
Microseris bigelovii 1205
Phaseolus vulgaris, Uromyces appendiculatus 1931
Raphanus sativus, taxonomy 473
Sinapis alba, taxonomy 473
Solanum berthaultii 1933
Solanum brevidens 1187
Solanum phureja 464, 1933
Solanum tuberosum 464, 1187
Stylosanthes guianensis, taxonomy 1928
Triticum dicoccoides 2712
Triticum durum 2712
Triticum monococcum 451
Triticum urartu 451
Range management, grasslands 202, 243
Ranunculus acris
seed treatment
storage 1861
viability 1861
Ranunculus sceleratus
seed treatment
storage 1861
viability 1861
Raphanus sativus
centres of diversity 1561
centres of origin 1561
China 1561
distribution 1561
random amplified polymorphic DNA, taxonomy 473
Raphanus* × *Brassica, intergeneric hybridization 679
Raritebe axillare
Ecuador 1649
new species 1649
Peru 1649
Rauvolfia serpentina
alkaloids 484, 1380
cytotaxonomy 126
India 126, 1380
roots 1380
Reboudia pinnata
Israel 287
seeds
germination 287
water balance 287
Recalcitrant seeds
Artocarpus heterophyllus
storage 309
viability 309
Camellia sinensis
cryopreservation 1125
storage 315
viability 315
Dimocarpus longan
cryopreservation 306
storage 306
viability 306
Fagus sylvatica
dormancy 2656
storage 2656
Landolphia kirkii
cryopreservation 1855
storage 319
Recalcitrant seeds *cont.*
Landolphia kirkii cont.
viability 319-320
water balance 320
Litchi chinensis
cryopreservation 306
storage 306
viability 306
Mangifera indica
cryopreservation 306
storage 306
viability 306
storage 1843
Recombination
Elymus × *Triticum*, barley yellow dwarf luteovirus 625
Triticum × *Secale, Heterodera avenae* 625
Regeneration
Abies alba, tissue culture 1154
Acacia saligna, tissue culture 397
Aerides japonicum, tissue culture 424
Agrostis stolonifera
protoplasts 339
tissue culture 416
Ailanthus malabricum, tissue culture 1889
Allium cepa, tissue culture 358
Allium trifoliatum
somaclonal variation 360
tissue culture 360
Allium tuberosum, tissue culture 359
Allium victorialis, tissue culture 361
Aloe variegata, tissue culture 1169
Alysicarpus vaginalis, tissue culture 345
Anthurium andreanum, tissue culture 418
Arachis, tissue culture 2675
Artemisia annua, tissue culture 2694
Asparagus cooperi, tissue culture 430
Asparagus officinalis, tissue culture 363
Averrhoa carambola, tissue culture 380
Azadirachta indica, tissue culture 439
Aztekium ritteri, tissue culture 1168
Begonia, tissue culture 2690
Beta vulgaris
sugarbeet
somaclonal variation 386
tissue culture 386
Cactaceae, tissue culture 1891
Capsicum annuum, tissue culture 366, 1140, 2671
Capsicum baccatum, tissue culture 1140, 2671
Capsicum chinense, tissue culture 2671
Capsicum frutescens, tissue culture 2671
Capsicum pubescens, tissue culture 2671
Carica cauliflora, protoplasts 378
Carica papaya 2673
protoplasts 378
Castanea dentata, tissue culture 381
Catasetum, tissue culture 426
Cenchrus ciliaris, tissue culture 340
Centrosema, tissue culture 350
Centrosema brasilianum, tissue culture 350
Cephaelis ipecacuanha, tissue culture 2693
Cichorium, tissue culture 1137
Citrullus colocynthis, tissue culture 368
Citrus junos, tissue culture 376
Clowesia, tissue culture 426
Coptis teeta, tissue culture 435
Crinum macowanii, tissue culture 2689
Cucumis melo, tissue culture 367
Cucumis sativus, tissue culture 302, 369
Cyathea schanschin, in vitro culture 433
Cycnoches, tissue culture 426
Cymbidium forrestii, tissue culture 427
Cymbidium goeringii, tissue culture 1167
Cynodon dactylon, tissue culture 416
Cyrtopodium, tissue culture 426
Dendranthema morifolium, tissue culture 1894
Desmodium heterocarpon, tissue culture 346
Desmodium ovalifolium, tissue culture 346
Dianthus, tissue culture 1165
Dianthus hybridus, tissue culture 1894
Dicksonia sellowiana, in vitro culture 433

Regeneration *cont.*
Digitalis lanata, tissue culture 1172
Digitalis purpurea, tissue culture 1172
Dyssodia pentacheta
tissue culture 443
vegetative propagation 443
Echinochloa frumentacea, tissue culture 334
Eucalyptus citriodora, tissue culture 1886
Eucalyptus grandis, tissue culture 390, 1887
Eucalyptus gunnii, tissue culture 1156
Eucalyptus radiata, tissue culture 391
Eucalyptus sideroxylon, tissue culture 1885
Eucalyptus torelliana, tissue culture 1886
Fagus sylvatica, tissue culture 1154, 1158
Flaveria chloraefolia, tissue culture 417
Flaveria cronquistii, tissue culture 417
Flaveria pubescens, tissue culture 417
Flaveria trinervia, tissue culture 437
forest trees, tissue culture 2681
Fragaria ananassa, tissue culture 372
Fraxinus excelsior
embryo culture 395
tissue culture 1159
Fraxinus ornus, embryo culture 1856
Galeandra, tissue culture 426
Gerbera piloselloides, tissue culture 1895
Gerbera viridifolia, tissue culture 1895
Ginkgo biloba, anther culture 2686
Glycine canescens, tissue culture 351
Glycine falcata, tissue culture 351
Glycine gracilis, tissue culture 351
Glycine latifolia, tissue culture 351
Glycine max, tissue culture 351
Glycine soja, tissue culture 351
Glycine tabacina, tissue culture 351
Glycine tomentella, tissue culture 351
Glycine wightii, tissue culture 1133
Gomphrena officinalis, tissue culture 436
Graphorkis lurida, tissue culture 426
Grevillea scapigera, tissue culture 1162
Grobya galeata, tissue culture 426
Helianthus debilis, tissue culture 385
Helianthus divaricatus, tissue culture 385
Helianthus maximiliani 1150
tissue culture 385
Helianthus mollis, tissue culture 385
Helianthus nuttallii, tissue culture 385
Helianthus praecox, tissue culture 385
Hemidesmus indicus, tissue culture 1898
Hevea brasiliensis, tissue culture 1884
Hibiscus cannabinus, tissue culture 389
Homalomena occulta, tissue culture 438
Hordeum geniculatum, tissue culture 1128
Hordeum spontaneum, genetics 647
Hordeum vulgare, genetics 647
Humulus lupulus, tissue culture 1176
in vitro culture 325
Ipomoea batatas, tissue culture 1135
Ipomoea lacunosa, tissue culture 1135
Ipomoea trifida, tissue culture 1135
Ipomoea triloba, tissue culture 1135, 1872
Iris pseudacorus, ovule culture 1166
Iris setosa, ovule culture 1166
Iris versicolor, ovule culture 1166
Lablab purpureus, tissue culture 354
Larix decidua, tissue culture 407
Larix occidentalis
embryo culture 408
tissue culture 1161
Lathyrus cicera, tissue culture 344
Lathyrus ochrus, tissue culture 344
Lathyrus sativus, tissue culture 344, 347
Lavatera oblongifolia, tissue culture 1164
Leersia perrieri, tissue culture 1864
Leptochloa fusca, tissue culture 1864
Linum alpinum, tissue culture 1153
Linum amurense, tissue culture 1153
Linum hologynum, tissue culture 1153
Linum perenne, tissue culture 1153
Liriodendron chinense, embryo culture 1892
Liriodendron tulipifera, embryo culture 1892
Lupinus albus, embryo culture 342
Regeneration *cont.*
Lupinus angustifolius, embryo culture 342
Lupinus luteus
embryo culture 342
tissue culture 1131
Lupinus mutabilis, embryo culture 342
Lupinus polyphyllus
embryo culture 342
tissue culture 1132
Luteus angustifolius, tissue culture 1131
Luteus polyphyllus, tissue culture 1131
Lycopersicon chilense, protoplasts 1876
Lycopersicon esculentum, tissue culture 1139
Lycopersicon hirsutum, tissue culture 365
Lycopersicon pimpinellifolium, tissue culture 1139
Madhuca longifolia, tissue culture 2676
Magnolia cordata, embryo culture 1892
Magnolia fraseri, embryo culture 1892
Magnolia macrophylla, embryo culture 1892
Magnolia virginiana, embryo culture 1892
Mammillaria san-angelensis, tissue culture 1891
Manihot esculenta, tissue culture 355
Maytenus emarginata, tissue culture 398
Medicago polymorpha, tissue culture 1867
Medicago sativa, tissue culture 336, 341, 663, 1420
Melia azedarach, tissue culture 1888
Moricandia arvensis
protoplasts 382
tissue culture 383
Moringa oleifera, tissue culture 396
Mormodes, tissue culture 426
Nardostachys jatamansi, tissue culture 2698-2699
Nasturtium officinale, tissue culture 1138
Nepenthes khasiana, tissue culture 1896
Nicotiana rustica, tissue culture 387
Onobrychis viciifolia, protoplasts 343
Orchidaceae, tissue culture 1891
Origanum vulgare, tissue culture 442
ornamental woody plants, *in vitro* culture 331
Oryza, tissue culture 1864
Pelargonium grandiflorum, tissue culture 413
Pelargonium hortorum, tissue culture 414
Pelargonium zonale, tissue culture 413
Peucedanum palustre, tissue culture 2695
Phalaenopsis, tissue culture 425
Phalaenopsis amboinensis, tissue culture 425
Physalis ixocarpa, tissue culture 1146
Picea abies
embryo culture 406
tissue culture 1160
Picea sitchensis, tissue culture 405
Pinus canariensis, tissue culture 404
Pinus elliottii, tissue culture 403
Piper longum, tissue culture 1898
Platycerium bifurcatum, tissue culture 431
Poa pratensis, tissue culture 416
Podophyllum peltatum, embryo culture 1899
Polymnia sonchifolia, tissue culture 337
Prosopis tamarugo, tissue culture 348
Quercus petraea, tissue culture 1154
Quercus robur, tissue culture 394, 1154
Quercus rubra, tissue culture 393
Quercus suber, *in vitro* culture 1157
Robinia pseudoacacia, tissue culture 1890
Rubus, blackberries, tissue culture 1879
Rubus idaeus, tissue culture 1879
Rubus occidentalis, tissue culture 1879
Salicornia bigelovii, tissue culture 2677
Salvia miltiorrhiza, tissue culture 491
Sesbania grandiflora, tissue culture 349
Sesbania rostrata, tissue culture 1868
Smilax nipponica, tissue culture 364
Smilax oldhami, tissue culture 364
Sorbus domestica
embryo culture 1856
tissue culture 402
Regeneration *cont.*
Spinacia oleracea, tissue culture 362
Spiranthes magnicamporum, tissue culture 423
Sporobolus virginicus, tissue culture 1866
Theobroma cacao, embryo culture 1883
Thevetia peruviana, tissue culture 1175
tissue culture 328
trees, *in vitro* culture 331
Trifolium pratense, tissue culture 336
Triticum turgidum, anther culture 1863
Tylophora indica, tissue culture 2696
Vaccinium, tissue culture 371
Vaccinium corymbosum, tissue culture 371
Vanilla walkeriae, tissue culture 440
Vigna acontifolia, tissue culture 353
Vitis rotundifolia
embryo culture 1143
ovule culture 1143
Vitis rupestris, tissue culture 373
Withania somnifera, tissue culture 434
Xanthosoma sagittifolium, tissue culture, flowering 357
Zamia fischeri, tissue culture 400
Zamia furfuracea, tissue culture 400
Zamia pumila, tissue culture 400
Zingiber officinale, tissue culture 441
Ziziphus mauritiana, tissue culture 379
Ziziphus nummularia, tissue culture 379
Zoysia japonica, tissue culture 416
Zoysia koreana, tissue culture 416
Regenerative ability, *Lycopersicon*, genetics 2939
Remote sensing, grasslands, distribution 53
Reports
Colombia, CIAT 2221
Helianthus annuus, networks 2223
India, National Bureau of Plant Genetic Resources 2220
International Board for Plant Genetic Resources 2219
International Center for Agricultural Research in the Dry Areas 721
International Center for Agricultural Research in the Dry Areas, Genetic Resources Unit 1478
International Institute of Tropical Agriculture 719, 2969
International Potato Center 2222
International Rice Research Institute 718
Israel, Institute for Agriculture & Applied Biology, Ben-Gurion University of the Negev 717
Japan, National Institute of Agrobiological Resources 722, 2218
Netherlands, Centre for Plant Breeding and Reproduction Research 2217
Station d'Amélioration des Plantes Maraîchères 720
Sweden, Nordic Gene Bank for Agricultural and Horticultural Plants 1477
Reproduction
Allium 1316
Draba 2544
Republic of Yemen, *Eleusine coracana* 1033
Resource management
Bolivia 778
conservation 1509, 2971
Ethiopia 780
forests 794, 2298, 2324
grasslands 1061, 1806-1807, 2285
in situ conservation 782
Kenya 778
Syria 778
tropical forests 799
Restriction fragment length polymorphism 446
Aegilops 452
evolution 1180
gliadin 448
glutenins 448
Aegilops squarrosa 452
Mayetiola destructor 1915
Agaricus bisporus 2743
Avena atlantica 1182
Avena hirtula 1182
Avena sterilis 1918
Beta, evolution 475

Restriction fragment length polymorphism *cont.*
Beta macrocarpa, taxonomy 1946
Beta maritima, taxonomy 1946
Beta procumbens, taxonomy 1946
Beta vulgaris
evolution 1947
taxonomy 1946
beetroots 476
fodder beet 476
sugarbeet 476
Brassica campestris, evolution 1944
Brassica montana, evolution 1944
Brassica napus, evolution 1944
Brassica oleracea, evolution 1944
Cajanus, taxonomy 2373
Capsicum annuum 1192
Capsicum chinense 1192
Capsicum frutescens 1192
Dioon, evolution 2732
Elymus 1183
Helianthus
evolution 1199
taxonomy 1199
Hordeum
Hordeum vulgare, taxonomy 1181
taxonomy 454
Hordeum bulbosum 457
Hordeum vulgare, taxonomy 1181
Hordeum glaucum 457
Hordeum leporinum 457
Hordeum marinum, *Hordeum vulgare*, taxonomy 1181
Hordeum murinum 457
Hordeum vulgare, taxonomy 1181
Hordeum spontaneum 456-457
Hordeum vulgare 457, 2713
Lycopersicon esculentum 2722
Meloidogyne 1193
Lycopersicon peruvianum, *Meloidogyne* 1193
Lycopersicon (×) *Solanum* 685
Musa, evolution 471
Pennisetum glaucum, apomixis 1922
Pennisetum squamulatum, apomixis 1922
Phaseolus vulgaris, evolution 462
Pinus attenuata 2731
Pinus banksiana, taxonomy 2730
Pinus contorta, taxonomy 2730
Pinus muricata 2731
Pinus radiata 2731
Plantago 2740
Solanaceae
evolution 1178
taxonomy 1178
Solanum
characterization 1935
tuberous species, taxonomy 467
Solanum acaule, taxonomy 466
Solanum brevidens 678, 2718
Solanum spegazzinii, *Globodera rostochiensis* 1934
Solanum tuberosum 2718
characterization 1935
Globodera rostochiensis 1934
Sorghum bicolor 1920
Triticeae, evolution 2711
Triticum
evolution 1180
gliadin 448
glutenins 448
Triticum aestivum, *Mayetiola destructor* 1915
Vaccinium ashei 1197
Vaccinium corymbosum 1197
Vigna, taxonomy 1932
Vigna unguiculata, taxonomy 1932
Zea mays 459
Retama retama
Israel 256
medicinal properties 256
Reunion
flora 1508, 1543
wild plants 1812
Reviews
crops
evolution 2325
taxonomy 2325
Vigna, wide hybridization 673
Rhipidocladum martinezii
Central America 837
Rhipidocladum martinezii *cont.*
new species 837
Rhizobium (*see also* Nitrogen fixation)
Rhizoctonia (*see also Macrophomina; Thanatephorus*)
Rhizoctonia solani
Brassica, disease resistance 1346
Cucumis sativus, disease resistance 1327
Macroptilium atropurpureum, disease resistance 2820
Rhizopus
Cicer arietinum, seed treatment 713
Ipomoea batatas
disease resistance 570
post harvest treatment 570
Rhizopus stolonifer
Ipomoea batatas
disease resistance 570
post harvest treatment 570
Rhododendron
characterization 106
distribution 106
gene banks 1979
heat resistance 2208
interspecific hybridization 2208
micropropagation 410
pollen 1979
taxonomy 916
USA 106, 1979
Rhododendron albiflorum
new taxa 1664
USA 1664
Rhododendron fortunei
China 104
genetic resources 104
surveys 104
Rhododendron impeditum
heat resistance 2208
interspecific hybridization 2208
Rhododendron maculiferum
China 104
genetic resources 104
surveys 104
Rhododendron mariesii
China 104
genetic resources 104
surveys 104
Rhododendron molle
China 104
genetic resources 104
surveys 104
Rhododendron ovatum
China 104
genetic resources 104
surveys 104
Rhododendron simsii
China 104
genetic resources 104
surveys 104
Rhododendron telmateium
heat resistance 2208
interspecific hybridization 2208
Rhopalosiphum maidis, *Lablab purpureus*, pest resistance 569
Rhopalosiphum padi
Hordeum, pest resistance 2788
Hordeum vulgare, pest resistance 2788
Rhus copallina
isoenzymes 1007
population genetics 1007
USA 1007
Rhus glabra
isoenzymes 1007
population genetics 1007
USA 1007
Rhus michauxii
endangered species 1007
isoenzymes 1007
population genetics 1007
USA 1007
Rhus trichocarpa
ornamental value 2879
UK 2879
Rhus verniciflua
China 1041
oils 1041
Rhynchosia bracteata
collecting missions 179
India 179
Ribes
Canada 2947
Ribes *cont.*
utilization 2947
red currants
Denmark 1747
genetic variation, morphology 1747
Norway 1747
Ribes binominatum
interspecific hybridization 152
USA 152
Ribes bracteosum, interspecific hybridization 2189
Ribes dikuscha, interspecific hybridization 2189
Ribes grossularia (*see Ribes uva-crispa*)
Ribes lobbii
interspecific hybridization 152
USA 152
Ribes marshallii
interspecific hybridization 152
USA 152
Ribes nigrum
disease resistance 2189
interspecific hybridization 2189
pest resistance 2189
Ribes roezlii
interspecific hybridization 152
USA 152
Ribes spicatum
collections 2762
Russia 2762
Ribes uva-crispa
China 1335
plant introduction 1335
varieties 1335
Ribes viburnifolium
distribution 82
USA 82
Ribulose-bisphosphate carboxylase, *Taxodium*, chloroplast genetics 2733
Rice black-streaked dwarf fijivirus
Oryza, disease resistance 2164
Oryza glumaepatula, disease resistance 2164
Oryza latifolia, disease resistance 2164
Oryza sativa, disease resistance 2164
Rice tungro bacilliform badnavirus
Oryza barthii, disease resistance 2795
Oryza brachyantha, disease resistance 534
Oryza glaberrima, disease resistance 2795
Oryza longiglumis, disease resistance 534
Oryza nivara, disease resistance 534
Oryza officinalis, disease resistance 534
Oryza rhizomatis, disease resistance 534
Oryza sativa, disease resistance 534
Rice tungro spherical ribotungrovirus
Oryza brachyantha, disease resistance 534
Oryza longiglumis, disease resistance 534
Oryza nivara, disease resistance 534
Oryza officinalis, disease resistance 534
Oryza rhizomatis, disease resistance 534
Oryza sativa, disease resistance 534
Robinia pseudoacacia
tissue culture
regeneration 1890
storage 1890
Roemeria, chloroplast genetics, taxonomy 1207
Romania
grasslands 204-205
Koeleria eriostachya 838
Romeroa
distribution 903
keys 903
taxonomy 903
Root crops
breeding 2178
Cameroon 2178
Nigeria 2668
Rwanda 2178
subsistence farming 2178
tissue culture, storage 2668
Roots, *Rauvolfia serpentina* 1380
Rosa
botanical gardens 2766
disease resistance, *Diplocarpon rosae* 2121
Georgia 2766
Germany 1666

Rosa *cont.*
herbaria 1226
Hungary 1666
Italy 1666
pollen, cryopreservation 2688
UK 1226
Rosa alba, quarantine, *Coniothyrium fuckelii* 2215
Rosa caryophyllacea, taxonomy 1666
Rosa elliptica, taxonomy 1666
Rosa hungarica, taxonomy 1666
Rosa inodora, taxonomy 1666
Rosa laevigata
ascorbic acid 1772
China 1772
surveys 1772
Rosa micrantha, taxonomy 1666
Rosa polyacantha, taxonomy 1666
Rosa roxburghii
ascorbic acid 1772
China 1772
surveys 1772
Rosa rubiginosa, taxonomy 1666
Rosa rugosa, quarantine, *Coniothyrium fuckelii* 2215
Rosaceae
evolution 2334
genomes 2381
taxonomy 2334
wood anatomy 2334
Roupala barnettiae
new species 1619
Venezuela 1619
Rubiaceae
evolution
fruits 1719
seed dispersal 1719
Rubus
China 1828
ethnobotany 1828
blackberries, tissue culture, regeneration 1879
Rubus bloxamii
France 867
new taxa 867
UK 867
Rubus caesius
botanical gardens 1334
cold resistance 1334
evaluation 1334
Russia 1334
Rubus chingii
China 2089
evaluation 2089
Rubus crataegifolius, disease resistance, *Phytophthora erythroseptica* 2188
Rubus fissus
Norway 868
taxonomy 868
Rubus gothicus
Norway 868
taxonomy 868
Rubus hallandicus
Norway 868
taxonomy 868
Rubus idaeus
cold resistance 2090
disease resistance, *Phytophthora erythroseptica* 2188
Norway 2090
pest resistance, *Amphorophora agathonica* 2188
tissue culture, regeneration 1879
Rubus jiangxiensis
China 1598
new species 1598
Rubus langei
Norway 868
taxonomy 868
Rubus nemoralis
Norway 868
taxonomy 868
Rubus nessensis
Norway 868
taxonomy 868
Rubus occidentalis, tissue culture, regeneration 1879
Rubus parviflorus, disease resistance, *Phytophthora erythroseptica* 2188
Rubus parvifolius, disease resistance, *Phytophthora erythroseptica* 2188
Rubus pruinosus
Norway 868
taxonomy 868
Rubus pyramidaliformis
Poland 1599
taxonomy 1599
Rubus spectabilis, disease resistance, *Phytophthora erythroseptica* 2188
Rubus sprengelii
Norway 868
taxonomy 868
Rubus strigosus
disease resistance, *Phytophthora erythroseptica* 2188
pest resistance, *Amphorophora agathonica* 2188
Rubus yanshanensis
China 1598
new species 1598
Rumex acetosella
coumaric acids 1011
phenolic acids 1011
sex 1011
Rural economy
forests 2611
Leopoldinia piassaba 2618
minor forest products 2613-2614
rain forests 2612
Russia
Allium 856
Aquilegia kubanica 924
Aquilegia tuvinica 1681
Avena sativa 1253
Beta 2263
crops 1233
endangered species 26
gene banks 1959
Glycine max 1289
grasslands 224, 228-229, 231, 1784, 1802
Hordeum vulgare 525
Larix sukaczewii 913
Lonicera 1340, 1601
Medicago sativa 1281, 1420
Medicago varia 1281
ornamental plants 503
Osycoccus 2950
Pinus sylvestris 913
Polygonum 1850
Ribes spicatum 2762
Rubus caesius 1334
Silphium perfoliatum 1850
Solanum phureja 1425
Solanum tuberosum 1425
Sorghum bicolor 2017
Trifolium repens 2817
Vaccinium 2950
Rwanda
medicinal plants 1834
Phaseolus vulgaris 1827
root crops 2178
Sabah
Bambuseae 2481
Dipterocarpus megacarpus 2419
Zollingeria borneensis 1634
Saccharum
Australia 1977
collecting missions 1045
collections 749
cytology 1443
gene banks 1977
hybrid varieties 701, 1442
Indonesia 1045
intergeneric hybridization 1443
interspecific hybridization 1443
Papua New Guinea 749
plant introduction 2198
USA 1442, 2198
utilization 2198
Saccharum barberi
India 2388
taxonomy 2388
Saccharum officinarum
interspecific hybridization 701, 1442
micropropagation 1151
pest resistance, *Eoreuma loftini* 594
plant introduction 2198
tissue culture, cryopreservation 2678
USA 701, 2198
utilization 2198
Saccharum robustum
collecting missions 1045
Saccharum robustum *cont.*
Indonesia 1045
interspecific hybridization 1442
Saccharum sinense
China 2388
interspecific hybridization 701, 1442
taxonomy 2388
USA 701
Saccharum spontaneum
collecting missions 1045, 1774
India 1774
Indonesia 1045
interspecific hybridization 701
pest resistance, *Eoreuma loftini* 594
USA 701
Saccharum* × *Erianthus, intergeneric hybridization 702
Saccharum* × *Miscanthidium, intergeneric hybridization 702
Saccharum* × *Miscanthus, intergeneric hybridization 702, 2958
Salicornia bigelovii, tissue culture, regeneration 2677
Salix
chloroplast genetics, evolution 140
micropropagation 332
Salix xanthicola
Greece 888
new species 888
Salt land
Bahrain 236
plant communities 236
Salt tolerance
Achnatherum splendens 1274
Aegilops squarrosa 622
Aegilops × *Triticum* 629
Astragalus adsurgens 1274
Atylosia platycarpa 546
Cajanus cajan 546
Cicer arietinum 546
Diplachne fusca 2038
Echinochloa crus-galli 2018
Echinochloa utilis 1274
Elymus dahuricus 1274
Elymus sibiricus 1274
Elymus trachycaulus 1275
Elymus × *Triticum* 621
Festuca arundinacea 541
Fragaria chiloensis 2192
Glycyrrhiza uralensis 2888
grasslands 228
Hordeum brevisubulatum 540, 1274
Hordeum jubatum 520
Hordeum spontaneum 2773
Hordeum vulgare 520
molecular genetics 1912
Leymus chinensis 540
Lycopersicon, gene expression 2842
Lycopersicon cheesmanii 2077
Lycopersicon esculentum 1982, 2077
heritability 2944
Lycopersicon pennellii 2077
Lycopersicon peruvianum 1982, 2077
Lycopersicon pimpinellifolium, heritability 2944
Medicago sativa 1274
Melilotus suaveolens 1274
Onobrychis viciifolia 1274
Oryza officinalis 2022
Oryza punctata 2022
Phyllanthus emblica 307
Poa alpina 1275
Psidium guajava 307
Puccinellia chinampossis 1274
Puccinellia tenuiflora 1274
Triticum aestivum 621-622, 626, 2920
molecular genetics 1912
Triticum dicoccoides 2773
Triticum durum 621
Vicia villosa 1274
Salvia miltiorrhiza
tissue culture
regeneration 491
tanshinone 491
Salvia pratensis
endangered species 2532
Netherlands 2532
population genetics 2532
Sambucus
chromosome morphology 2439
chromosome number 2439

Sambucus *cont.*
cytotaxonomy 2439
Sampling, population genetics, endangered species 1737
Sanguinaria canadensis
antibacterial properties 1952
tissue culture, alkaloids 1952
São Tomé and Príncipe, tropical forests 2295
Sapium sebiferum
domestication 2875
evaluation 2875
India 2875
Sarawak, forests 2529
Sarcoglottis caudata
Brazil 915
new species 915
Saudi Arabia
Lepturus calcareus 1574
Sporobolus gloeoclados 1574
Sporobolus minimus 1574
Stipagrostis dhofariensis 1574
Stipagrostis xylosa 1574
Tripogon oliganthos 1574
Trisetaria chaudharyana 2365
Saussurea lappa
antiparasitic agents 2130
Pakistan 2130
Scabiosa columbaria
endangered species 2532
evolution, isoenzymes 1723
genetics, isoenzymes 1723
Netherlands 2532
population genetics 2532
Scandinavia
Draba 819, 1678
Draba alpina 819
Draba crassifolia 819
Draba oxycarpa 819
Schefflera octophylla, taxonomy 893
Schiedeella
keys 1692
taxonomy 1692
Schiedeella romeroana
Mexico 1697
new species 1697
Schismus arabicus
Israel 287
seeds
germination 287
water balance 287
Schizaphis graminum, *Sorghum bicolor,* pest resistance 2017
Schizostachyum arunachalensis
India 2480
new species 2480
Schizostachyum burmanicum
Myanmar 2478
taxonomy 2478
Schizostachyum distans
Myanmar 2478
taxonomy 2478
Schizostachyum scandens
Myanmar 2478
taxonomy 2478
Schizostachyum strictum
Myanmar 2478
taxonomy 2478
Schizostachyum tavoyanum
Myanmar 2478
taxonomy 2478
Schizostachyum virgatum
Myanmar 2478
taxonomy 2478
Schmardaea microphylla
conservation 900
endangered species 900
Peru 900
taxonomy 900
Sciadopityostrobus kerae
Japan 968
palaeobotany, cones 968
Scilla amoena, chromosome banding 2127
Scilla dedea
new species 941
Turkey 941
Scilla ingridae, chromosome banding 2127
Scilla mischtschenkoana, chromosome banding 2127
Scilla pruinosa
new species 941
Scilla pruinosa *cont.*
Turkey 941
Scilla siberica, chromosome banding 2127
Sclerostachys
cytology 1443
intergeneric hybridization 1443
Sclerotinia sclerotiorum
Carthamus tinctorius, seeds 1476
Pisum sativum, seed treatment 1466
Sclerotinia squamosa
Allium cepa
disease resistance 1430
genetics 1430
Allium roylei
disease resistance 1430
genetics 1430
Sclerotium (*see also Macrophomina)*
Scutellria
Brazil 253
medicinal properties 253
Seasonal growth, *Galium spurium* 2664
Secale
gene pools 6
genetic resources 6
Secale cereale
breeding 619
chromosome pairing 969
chromosome transmission 449
evolution 969
gene mapping 619
germplasm
evaluation 653
utilization 653
seeds
germination 1098
storage 268, 1098
viability 268
vigour 268
Secale* × *Aegilops, intergeneric hybridization 618, 2153
Secale* × *Agropyron, intergeneric hybridization 620
Secale* × *Hordeum, intergeneric hybridization 645, 648, 661, 1179
Secale* × *Triticum (*see also* Triticale)
evaluation 2154
genomes 618
intergeneric hybridization 618, 625, 634, 969, 1179, 1409, 2151, 2154, 2912, 2921
nucleotide sequences 1179
Poland 2154
tissue culture 1179
Sechiopsis
Guatemala 79
Mexico 79
taxonomy 79
Sechiopsis diptera
Guatemala 79
Mexico 79
taxonomy 79
Sechiopsis distincta
Guatemala 79
Mexico 79
taxonomy 79
Sechiopsis laciniatus
Guatemala 79
Mexico 79
taxonomy 79
Sechium
Central America 862
keys 862
taxonomy 862
Sechium chinantlense
Mexico 862
new species 862
Sechium hintonii
distribution 78
endangered species 78
Mexico 78
taxonomy 78
Sechium panamense
Central America 862
keys 862
taxonomy 862
Sechium venosum
Central America 862
keys 862
taxonomy 862
Sedum
evolution 820
Sedum *cont.*
interspecific hybridization 820
Mediterranean countries 820
North Africa 820
taxonomy 820
Turkey 820
Sedum album, DNA libraries 1954
Sedum ebracteatum
Mexico 2470
taxonomy, chromosome number 2470
Sedum glabrum
Mexico 2470
taxonomy, chromosome number 2470
Sedum hemsleyanum
Mexico 2470
taxonomy, chromosome number 2470
Sedum hintonii
Mexico 2470
taxonomy, chromosome number 2470
Sedum lativalifolium
Korea Republic 2431
new species 2431
Seed aging
Brassica napus
viability 310
vigour 310
Gossypium hirsutum 2654
Pennisetum glaucum 2654
storage 1093
Triticum aestivum
gliadin 266
viability 266
Zea mays 1846
Seed anatomy
Sorghum bicolor
germination 273
vigour 273
Seed banks
Avena 1791
Bromus 1791
Carex bigelowii, genetic variation 2514, 2516
Ethiopia 1817
germination 1090
grasses 2635
grasslands 197, 1791
grazing 1805
Heteranthelium piliferum 1791
Indonesia 1844
Leucadendron xanthoconus, germination 1115
Luzula parviflora, genetic variation 2514-2515
Medicago orbicularis 1852
Medicago rigidula 1852
Medicago rotata 1852
Nemophila aphylla 2660
Oryza rufipogon, germination 1849
Phacelia ranunculacea 2660
plant communities 1090
Sorghum bicolor, germination 1848
Stipa neesiana, viability 1103
Trifolium campestre 1791, 1852
Trifolium stellatum 1791, 1852
Trifolium tomentosum 1791, 1852
Tropics 1781
UK 2626
Seed certification (*see* Seed testing)
Seed deterioration, storage 258
Seed dispersal
Abutilon theophrasti 1758
Hypericum gentianoides 1758
Impatiens capensis 1758
Plantago aristata 1758
Rubiaceae, evolution 1719
Seed dormancy (*see also* Dormancy)
Carica papaya 1110
Cenchrus ciliaris 280
Chloris virgata 280
Enneapogon cenchroides 280
Eragrostis rigidior 280
Malus pumila 305
Panicum maximum 280
Setaria verticillata 280
Tragus berteronianus 280
Urochloa mosambicensis 280
Zostera marina 1102
Seed injury, *Medicago sativa,* germination 288
Seed longevity, *Oryza sativa* 278

Seed moisture
Brassica napus 1095
Cicer arietinum 2646
crops 1095, 1845
Glycine max 1845
Nicotiana tabacum 1095
Oryza sativa 278
Sesamum indicum 1095
Triticum aestivum, germination 265
Seed production, *Filipendula rubra*, genetic variation 995
Seed quality
Gossypium hirsutum
germination 317
temperature 317
Sorghum bicolor
germination 273
vigour 273
Seed testing
bacteria 1453
Brassica napus 1095
crops 1095
fungi 1455
Glycine max, germination 1105
Helianthus annuus, pathogens 1471
Nicotiana tabacum 1095
pathogens 1450
Pisum sativum, *Pseudomonas syringae* 1450
Sesamum indicum 1095
Triticum aestivum
storage 267
variation 267
Triticum durum
storage 267
variation 267
viruses 1451
Zea mays, viability 1099
Seed treatment
Acacia senegal, germination 1114
Adansonia digitata, germination 1859
Allium cepa
germination 294
storage 259, 294
viability 259
vigour 259
Arachis hypogaea
germination 1112
storage 259, 314
viability 259, 314
vigour 259, 314
Beta vulgaris, germination 262
Brassica
pekinensis
storage 295
vigour 295
Brassica oleracea, germination 296
Cassia, germination 2642
Cenchrus ciliaris, germination 2637
Cicer arietinum
Alternaria 713
Ascochyta rabiei 713
Aspergillus 713
Fusarium 713
germination 713
Rhizopus 713
storage 259
viability 259
vigour 259, 713
Cistus albidus, germination 321
Cistus ladanifer, germination 321
Cistus laurifolius, germination 321
Cistus salvifolius, germination 321
Cornus stolonifera 2658
Cypripedium calceolus, germination 1116
Cytisus scoparius, germination 1857
Erysimum hieraciifolium, germination 296
fodder legumes, germination 2815
forest trees 2657
Genista florida, germination 1857
Glycine max
germination 275
vigour 261
Gossypium hirsutum, germination 318
Helianthus, seeds 312
Helianthus annuus
storage 259
viability 259
vigour 259
Helianthus grosseserratus, seeds 312
Seed treatment *cont.*
Helianthus mollis, seeds 312
Lactuca sativa
dormancy 299
germination 299
Lespedeza cuneata, germination 290
Lupinus albus, vigour 261
Malus pumila 305
dormancy 304
germination 304
Manihot glaziovii, germination 1853
Medicago orbicularis, germination 1852
Medicago rigidula, germination 1852
Medicago rotata, germination 1852
Oryza sativa
dormancy 2632
germination 2632
Oryzopsis hymenoides, germination 285-286
Papaver nudicaule, germination 1118
Paspalum guenoarum 2638
Penstemon parryi, germination 322
Phaseolus vulgaris 2644-2645
Phytolacca dodecandra 2697
Pisum sativum
Ascochyta pisi 1466
germination 262, 293
Sclerotinia sclerotiorum 1466
Porteresia coarctata, germination 1851
Quercus arizonica 2655
Quercus emoryi 2655
Ranunculus acris
storage 1861
viability 1861
Ranunculus sceleratus
storage 1861
viability 1861
Sida cordifolia, germination 1854
Trifolium campestre, germination 1852
Trifolium stellatum, germination 1852
Trifolium tomentosum, germination 1852
Triticum aestivum 2628
Cochliobolus sativus 1460
Gibberella zeae 1460
Vicia faba, vigour 261
Vigna unguiculata, *Pseudomonas syringae* 1467
Zea mays
Aspergillus flavus 1462
germination 262, 269-270
storage 259, 270
storage decay 1462
viability 259
vigour 259
Zizania palustris, germination 1851
Zizyphus mauritiana, germination 308
Seeds
Acacia karroo
drought resistance 2871
germination 2871
heat resistance 2871
Acacia tortilis
drought resistance 2871
germination 2871
heat resistance 2871
Allium cepa
germination 2648-2649
storage 2648-2649
Andropogon gayanus
dormancy 2639
storage 2639
Apera spica-venti, germination 1119
Apium graveolens, cryopreservation 1094
Arachis hypogaea
Aspergillus flavus 1473
Aspergillus niger 1473
germination 313, 1111
Macrophomina phaseolina 1473
storage 260, 313, 1111-1113
viability 260
Atriplex cordobensis
dormancy 2634
germination 2634
storage 2634
Avena sativa
cryopreservation 1094
germination 1098
storage 1098
bacteria 1452
Betula celtiberica, cryopreservation 1094
Seeds *cont.*
Brassica campestris
germination 297
temperature 297
Brassica napus
germination 297
temperature 297
Brassica oleracea
germination 297
temperature 297
Bulbine bulbosa, storage 2661
Caesulia axillaris
germination 323
light 323
nitrogen 323
storage 323
Cajanus, domestication 139
Calligonum polygonoides
dormancy 2640
germination 2640
Camellia sinensis
cryopreservation 316
germination 316
storage 316
Capsella bursa-pastoris, germination 1119
Capsicum
germination 2648
storage 2648
Capsicum annuum
germination 300
storage 300
Carthamus tinctorius
fungi 1472
Sclerotinia sclerotiorum 1476
Catharanthus roseus
germination 2662
storage 2662
Cenchrus ciliaris, fire resistance 281
Cenchrus glaucus
dormancy 283
germination 283
storage 283
Chamomilla recutita, germination 1119
Chenopodium album, germination 1119
Citrullus lanatus
germination 1109, 2648
storage 1109, 2648
Coffea liberica, cryopreservation 1096
collecting missions 1049
Colliguaja integerrima
dormancy 2112
evaluation 2112
germination 2112
storage 2112
Colophospermum mopane
drought resistance 2871
germination 2871
heat resistance 2871
Colutea atlantica, cryopreservation 1094
Combretum apiculatum
drought resistance 2871
germination 2871
heat resistance 2871, 2873
Conyza canadensis, herbicide resistance 2132
Cornus stolonifera
germination 2658
storage 2658
crops
lipids 263
storage 263, 1845
vigour 263
viruses 1459
Cucumis melo, germination 301
Cucumis sativus
dormancy 303
germination 302-303
storage 302
Cyphomandra 1764
Cyphomandra betacea 1764
Cyphomandropsis 1764
Dactylis glomerata, air drying 264
Datura ferox, cryopreservation 1094
Datura stramonium, cryopreservation 1094
Delphinium
germination 2659
storage 2659
Dimocarpus longan
germination 2650

Seeds *cont.*
Dimocarpus longan cont.
storage 2650
Disa uniflora
gene banks 1117
storage 1117
viability 1117
Draba, taxonomy 1678
Eclipta prostrata, germination 1860
Enarthrocarpus strangulatus
germination 287
water balance 287
Enneapogon cenchroides, fire resistance 281
Eragrostis curvula, characterization 1279
Eragrostis lehmanniana
germination 282
light 282
Eragrostis rigidor, fire resistance 281
Erigeron sumatrensis, herbicide resistance 2132
Euphorbia lagascae, induced mutations 700
Festuca arundinacea, air drying 264
Filago desertorum
germination 287
water balance 287
Fraxinus ornus, dormancy 1856
fungi 1454
Galinsoga parviflora, germination 1119
Galium aparine, germination 1119
Galium spurium
dormancy 2664
germination 2664
storage 2664
Glycine, domestication 139
Glycine max
germination 2627, 2643
storage 292, 2627
Gossypium hirsutum
Aspergillus 1474
germination 2654
storage 1474, 2654
grain legumes
domestication 139
dormancy 1104
storage 1104
grasses
dormancy 2636
germination 2635-2636
storage 2635
Halimium atriplicifolium, cryopreservation 1094
Helianthus
dormancy 312
seed treatment 312
Helianthus annuus
germination 2649, 2652
harvest date 311
quality 311
storage 260, 2649, 2652-2653
viability 260, 311
Helianthus grosseserratus
dormancy 312
seed treatment 312
Helianthus mollis
dormancy 312
seed treatment 312
Helichrysum apiculatum, storage 2661
Helipterum albicans, storage 2661
Heracleum sosnovskyi, storage 1850
Hordeum bogdani 712
Hordeum brachyantherum 712
Hordeum brevisubulatum 712
Hordeum bulbosum 712
Hordeum chilense 712
Hordeum comosum 712
Hordeum jubatum 712
Hordeum marinum 712
Hordeum murinum 712
Hordeum stenostachys 712
Hordeum vulgare
germination 1098, 2627
storage 1097-1098, 2627
viability 1097
Krascheninnikovia lanata
germination 291
temperature 291
Lactuca sativa
chromosome aberrations 298
cryopreservation 1094

Seeds *cont.*
Lactuca sativa cont.
storage 298
viability 298
Lavandula stoechas, cryopreservation 1094
Leguminosae
collections 1101
storage 1101
Lens culinaris
drying 1106
germination 289
pea seed-borne mosaic potyvirus 1464
storage 289
Leptorhynchos squamatus, storage 2661
Linum usitatissimum, moisture content 2651
Litchi chinensis
germination 2650
storage 2650
Lolium perenne, air drying 264
Lotus corniculatus, air drying 264
Lotus tenuis, air drying 264
Lupinus
germination 289
storage 289
Lupinus albus, *Pleiochaeta setosa* 2213
Macrotyloma, domestication 139
Medicago rigidula, air drying 264
Onobrychis eriophora, cryopreservation 1094
Onobrychis peduncularis, cryopreservation 1094
Onopordum nervosum, cryopreservation 1094
ornamental plants, storage 1212
Oryza brachyantha, evaluation 2026
Oryza breviligulata, evaluation 2026
Oryza longistaminata, evaluation 2026
Oryza punctata, evaluation 2026
Oryza sativa
cryopreservation 1094
evaluation 2025
quarantine 1463
storage 279, 2631, 2633
Panicum maximum, fire resistance 281
Paspalum guenoarum
germination 2638
storage 2638
Pennisetum glaucum
germination 276, 2654
storage 276, 2654
Pennisetum polystachion
germination 277
light 277
storage 277
Petroselinum crispum, *Plasmopara nivea* 1475
Phaseolus lunatus 1295
Phaseolus vulgaris 1731
germination 2645
storage 2644-2645
Phragmites karka, germination 284
Phyllanthus emblica 307
Phytolacca dodecandra, germination 2697
Pisum sativum
germination 2648
pea seed-borne mosaic potyvirus 1464-1465
quarantine 1465
storage 260, 2648
viability 260
Platanthera integrilabia
germination 1858
storage 1858
Polygonum, storage 1850
Polygonum weyrichii, storage 1850
Prunus dulcis 2100
Psidium guajava 307
quarantine 1457-1458
Quercus arizonica
germination 2655
storage 2655
Quercus emoryi
germination 2655
storage 2655
Reboudia pinnata
germination 287
water balance 287

Seeds *cont.*
Schismus arabicus
germination 287
water balance 287
Secale cereale
germination 1098
storage 268, 1098
viability 268
vigour 268
Sesbania rostrata, dormancy 2641
Setaria verticillata, fire resistance 281
Silphium perfoliatum, storage 1850
Sinapis alba, moisture content 2651
Solanum
tuberous species
evolution 36
taxonomy 36
Sorbus domestica, dormancy 1856
Sorghum bicolor
drought 272
germination 272
heat shock 274
storage 2630
vigour 272, 274
Spartium junceum, cryopreservation 1094
Spergula arvensis, germination 1119
Stellaria media, germination 1119
storage 1091, 1843, 1957
Stylidium graminifolium, storage 2661
Telfairia occidentalis, evaluation 2086
Thlaspi arvense, germination 1119
Thymophylla tephroleuca
germination 2663
storage 2663
Tragus berteronianus, fire resistance 281
Trifolium repens, air drying 264
triticale
germination 1098
storage 1098
Triticum aestivum
air drying 264
germination 1098, 2627, 2629
pathogens 1461
quarantine 1461
storage 1097-1098, 2627, 2629
viability 1097
Triticum durum, air drying 264
Urochloa trichopus, fire resistance 281
vegetables
germination 2648
storage 1212, 2648
viability 1091
Vicia pannonica
germination 289
storage 289
Vicia sativa
germination 289
storage 289
Vicia villosa
germination 289
storage 289
Vigna unguiculata
cryopreservation 1096
germination 1107
imbibitional injury 1108
storage 1107, 2647
viability 2647
water balance 1108
Vittadinia muelleri, storage 2661
Wahlenbergia stricta, storage 2661
Zea mays
germination 271
storage 271, 1847
viability 1847
Zizania palustris
desiccation 1100
imbibitional injury 1100
Zoysia japonica, genetic variation 997
Selection (*see also* Natural selection)
nature reserves 2280
Selenium, *Festuca arundinacea* 541
Self compatibility
Lycopersicon peruvianum, molecular genetics 2721
Muscari matritensis 944
Solanum chacoense 1423
Solanum tuberosum 1423
Self incompatibility
Lycopersicon peruvianum, molecular genetics 1908
Nicotiana alata, molecular genetics 1908

Self incompatibility *cont.*
Petunia inflata, molecular genetics 1908
Solanum chacoense, molecular genetics 1908
Selinum longicalycium
China 1700
new species 1700
Senecio
evolution 2497
interspecific hybridization 2497
plant colonization 2497
Senecio cambrensis
centres of origin 988
isoenzymes 988
new species 988
UK 988
Senecio squalidus
interspecific hybridization 988, 1746
isoenzymes 988
molecular genetics
evolution 1210
taxonomy 1210
UK 988
Senecio vernalis
molecular genetics
evolution 1210
taxonomy 1210
Senecio vulgaris
genetic variation, isoenzymes 1746
interspecific hybridization 988, 1746
isoenzymes 988
molecular genetics
evolution 1210
taxonomy 1210
UK 988
Senescence, wild plants 172
Senna monilifera
new species 1624
South America 1624
Septoria *(see also Leptosphaeria; Mycosphaerella)*
Septoria lycopersici
Lycopersicon esculentum 1317
Lycopersicon hirsutum 1317
Lycopersicon pimpinellifolium 1317
Sequoia sempervirens, micropropagation 332
Sesamum
cytology 1353
distribution 1353
interspecific hybridization 1353
Sesamum indicum
China 1041, 2105, 2863
evaluation 2105
nutritive value 2863
oils 1041
seed moisture 1095
seed testing 1095
Sesbania cannabina
drought resistance 2819
Japan 2819
soil pH 2819
toxic substances 2819
Sesbania grandiflora, tissue culture, regeneration 349
Sesbania rostrata
drought resistance 2819
Japan 2819
seeds, dormancy 2641
soil pH 2819
tissue culture, regeneration 1868
toxic substances 2819
Sesbania speciosa
drought resistance 2819
Japan 2819
soil pH 2819
toxic substances 2819
Sesquiterpenoid lactones, *Artemisia absynthium* 604
Setaria incrassata
genetic variation 1741
South Africa 1741
Setaria italica
Arab Countries 2552
biosafety 1921
collecting missions 2552
evaluation 2018
forage 2018
France 1911, 1921
gene flow 1911, 1921
interspecific hybridization 1911, 1921, 2922
Setaria italica *cont.*
Korea Republic 2018
pest resistance, *Atherigona biseta* 1259
Setaria verticillata
biosafety 1921
Botswana 280-281
France 1921
gene flow 1921
interspecific hybridization 1921
seed dormancy 280
seeds, fire resistance 281
Setaria viridis
France 1911
gene flow 1911
interspecific hybridization 1911, 2922
Sex
Coccinia grandis 1331
Fragaria ananassa 1761
Fragaria virginiana 1761
Ipomopsis aggregata 1024
Juniperus phoenica 1017
Phyllanthus emblica 1763
Rumex acetosella 1011
Trichosanthes dioica 1331
Sexual reproduction
Erysimum 171
Ficus 1013
flora 2533
Lindera benzoin 1021
Panicum maximum 2163
Paspalum bertonii 165
Paspalum dedeccae 165
Paspalum denticulatum 165
Paspalum dilatatum 1759
Paspalum distichum 165
Paspalum inaequivalve 165
Paspalum palustre 165
Paspalum ramboi 165
Shade, *Sorghum bicolor* 2015
Shaniodendron subaequale
China 2430
endangered species 2430
new species 2430
Shedding
Brassica × *Raphanus* 679
Euphorbia lagascae, induced mutations 700
Vicia sativa, breeding 2925
Shepherdia argentea
Canada 2947
utilization 2947
Shoots, temperate fruits, cryopreservation 2672
Shuteria suffulta
Indochina 1586
taxonomy 1586
Thailand 1586
Siberia
crops 1214
Poa argunensis 832
Poa rangkulensis 832
Sicana
distribution 2379
gene banks 2379
taxonomy 2379
Sicily, *Zelkova sicula* 1659
Sida cordifolia, seed treatment, germination 1854
Silene dioica
genetics, plant hairs 2126
Sweden 2126
Silene uniflora
DNA probes 493
gene flow 493
Silphium perfoliatum
Russia 1850
seeds, storage 1850
Sinapis
chloroplast genetics, taxonomy 1943
mitochondrial genetics, taxonomy 1943
Sinapis alba
random amplified polymorphic DNA, taxonomy 473
seeds, moisture content 2651
Sinapis nigra *(see Brassica nigra)*
Sinarundinaria arunachalensis
India 2479
taxonomy 2479
Sindora velutina
Malaysia 2874
medicinal properties 2874
Sindora velutina *cont.*
plant composition 2874
Singapore, flora 736
Siphonoglossa
keys 2437
South Africa 2437
taxonomy 2437
Sisyrinchium angustifolium
Korea Republic 1686
new taxa 1686
Slovakia, *Daphne arbuscula* 2120
Smilax nipponica, tissue culture, regeneration 364
Smilax oldhami, tissue culture, regeneration 364
Social policy
Developed Countries 1544
Developing Countries 1544
Socioeconomics
Chaemaedorea 1830
conservation 1819
crops 1824
forests 247
grasslands 243
subsistence farming 1814-1815
Sogatella furcifera, *Oryza sativa*, pest resistance 535
Soil compaction, *Poa pratensis* 2804
Soil pH
Calluna vulgaris 2429
crops 2771
Erica tetralix 2429
Medicago murex 543
Medicago truncatula 543
Molinia caerulea 2429
Poa pratensis 2805
Sesbania cannabina 2819
Sesbania rostrata 2819
Sesbania speciosa 2819
Triticum aestivum 2776
Soil toxicity
Miscanthus floridulus 1280
Miscanthus transmorrisonensis 1280
Triticum aestivum 2779
Soja *(see Glycine)*
Solanaceae
chloroplast genetics
evolution 1178
taxonomy 1178
distribution 822
Madagascar 822
plant introduction 822
restriction fragment length polymorphism
evolution 1178
taxonomy 1178
Solanum *(see also Lycopersicon)*
biotechnology 2707
catechol oxidase 2830
compatibility 1015
disease resistance 2183
Clavibacter michiganensis 1309
genetic resources 2707
heat resistance 2183
in vitro culture
collections 1134
storage 1134
tubers 1134
India 2707
ovules 1015
pest resistance 2183
insects 2099
plant hairs 2830
pollen 1015
restriction fragment length polymorphism, characterization 1935
South Africa 2099
taxonomy 871
tuberous species *(see also* under individual species)
Central America 467, 2067
collecting missions 183
Ecuador 183
evolution 1589
endosperm 36
seeds 36
gene banks 2759
Germany 2759
incompatibility 2537
interspecific hybridization 2537
meiosis 2067
Mexico 36, 467, 2067

Solanum *cont.*
tuberous species *cont.*
polyploidy 2067
proteins 2064
restriction fragment length polymorphism, taxonomy 467
South America 36, 2067
taxonomy 183, 1589
endosperm 36
seeds 36
Solanum acaule
Argentina 466
haploidy 677
interspecific hybridization 1427, 2184
Peru 466
polyploidy 1427
proteins 2064
restriction fragment length polymorphism, taxonomy 466
Solanum aethiopicum
chloroplast genetics 2186
protoplast fusion 2186
Solanum anomalum
India 2083
pest resistance, *Leucinodes orbonalis* 2083
Solanum berthaultii
catechol oxidase 2830
haploidy 1933
in vitro culture 2933
interspecific hybridization 1587, 2933
patatin 1310
pest resistance, insects 2933
plant hairs 2066, 2830
polyphenol oxidase 2066
random amplified polymorphic DNA 1933
taxonomy 1587
Solanum brevidens
Argentina 1003
Chile 1003
chromosome elimination 678
gamma radiation 2180
gene expression 465
genetic markers 1185
genetic variation, isoenzymes 1003
in vitro selection 2934
interspecific hybridization 465, 1187
molecular genetics 1185
pest resistance, *Myzus persicae* 2065
potato X potexvirus 2831
potato Y potyvirus 2831
protoplast fusion 465, 678, 2180, 2718, 2831, 2934
random amplified polymorphic DNA 1187
restriction fragment length polymorphism 678, 2718
Solanum chacoense
interspecific hybridization 1423, 2179, 2181, 2184
molecular genetics, self incompatibility 1908
pest resistance, *Empoasca fabae* 2181
proteins 2064
protoplast fusion 1426
self compatibility 1423
somaclonal variation 1426
tubers 1423
unreduced gametes 2179
Solanum clivorum
new species 1645
Peru 1645
Solanum commersonii
cytology 2931
genetic markers 1189
genetic transformation 1189
interspecific hybridization 1427, 2931
polyploidy 1427
Solanum demissum
Disease resistance, *Phytophthora infestans* 2832
interspecific hybridization 1422, 2832
Solanum dulcamara
pharmaceutical products 2209
protoplast fusion 2209
Solanum etuberosum
Argentina 1003
Chile 1003
genetic variation, isoenzymes 1003
pest resistance, *Myzus persicae* 2065
Solanum fernandezianum
Argentina 1003
Chile 1003
genetic variation, isoenzymes 1003
pest resistance, *Myzus persicae* 2065
Solanum gertii
new species 1622
South America 1622
Solanum gilo
India 2083
pest resistance, *Leucinodes orbonalis* 2083
Solanum goniocaulon
new species 1645
Peru 1645
Solanum gourlayi
cytology 2931
interspecific hybridization 1427, 2931
polyploidy 1427
Solanum infundibuliform
interspecific hybridization 2179
unreduced gametes 2179
Solanum integrifolium, disease resistance, *Pseudomonas solanacearum* 2084
Solanum leptostigma, interspecific hybridization 1422
Solanum lobbianum
Ecuador 74
taxonomy 74
Solanum malletii
new species 1645
Peru 1645
Solanum mauritianum
pest resistance, insects 2099
South Africa 2099
Solanum melongena
biotechnology 463
chloroplast genetics 2186
collecting missions 1038
disease resistance, *Pseudomonas solanacearum* 2084
evaluation 463
India 575, 1038, 2083
interspecific hybridization 2540
pest resistance
Leucinodes orbonalis 2083
Tetranychus cinnabarinus 575
pollen germination 2540
protoplast fusion 2186
Solanum microdontum
South America 1588
taxonomy 1588
Solanum morii
new species 1622
South America 1622
Solanum muricatum
compatibility 1015
ovules 1015
pollen 1015
Solanum nigrescens
ethnobotany 251
Guatemala 251
Solanum nigrum
Disease resistance, *Phytophthora infestans* 2832
Egypt 605
interspecific hybridization 2832
molluscicidal properties 605
Solanum papita, chloroplast genetics 1188
Solanum paraibanum
Brazil 872
new species 872
Solanum photeinocarpum, interspecific hybridization 1424
Solanum phureja
disease resistance, *Phytophthora infestans* 1425
fertility 1760
haploidy 1933
in vitro culture 1186
interspecific hybridization 464, 1425
male sterility 1760
random amplified polymorphic DNA 464, 1933
Russia 1425
Solanum platycypellon
new species 1622
South America 1622
Solanum polyadenium, proteins 2064
Solanum ptycanthum, herbicide resistance 2080
Solanum sanitwongsei, disease resistance, *Pseudomonas solanacearum* 2084
Solanum sessiliflorum, domestication 1720
Solanum sisymbriifolium
interspecific hybridization 2540
pollen germination 2540
Solanum smithii
new species 1645
Peru 1645
Solanum spegazzinii
gene location, *Globodera rostochiensis* 1934
pest resistance, *Globodera rostochiensis* 1934
restriction fragment length polymorphism, *Globodera rostochiensis* 1934
Solanum stoloniferum
chloroplast genetics 1188
genetic markers 1185
interspecific hybridization 2184
molecular genetics 1185
Solanum sucrense, proteins 2064
Solanum superbum
new species 1622
South America 1622
Solanum tarijense
interspecific hybridization 1587
taxonomy 1587
Solanum torvum
disease resistance, *Verticillium dahliae* 2932
protoplast fusion 2932
Solanum tovarii
new species 1645
Peru 1645
Solanum tovum, disease resistance, *Pseudomonas solanacearum* 2084
Solanum tuberosum
biosafety 2709
biotechnology 463
breeding 2182
Chile 10
China 1221
chloroplast genetics 1188
Czechoslovakia 2760
disease resistance 2183
Clavibacter michiganensis 1422
Erwinia carotovora 1422
Phytophthora infestans 1425
Disease resistance, *Phytophthora infestans* 2832
disease resistance, *Verticillium dahliae* 2932
enzymes 1308
evaluation 463
evolution 815, 1589
gamma radiation 2180
gene banks 1221, 1308, 2759-2760
gene expression 465
gene location, *Globodera rostochiensis* 1934
genetic erosion 1533
genetic markers 1185
genetic resources 10
genetic transformation 2719
genetic variation, isoenzymes 2502
genomes 815
Germany 2759
haploidy 1428
heat resistance 2183
in vitro culture 2933
collections 1134
conservation 1870
storage 1134
tubers 1134
in vitro selection 2934
interspecific hybridization 464-465, 1187, 1422-1425, 2179, 2181, 2184, 2832, 2933
molecular genetics 1185
Netherlands 2709
on-farm conservation 1533
Peru 1308, 1533, 2502
pest resistance 2183
Empoasca fabae 2181
Globodera rostochiensis 1934
insects 2933
plant hairs 2066
polyphenol oxidase 2066
polyploidy 815

Solanum tuberosum *cont.*
potato X potexvirus 2831
potato Y potyvirus 2831
proteins 1308, 2064
protoplast fusion 465, 678, 1426, 2180, 2718, 2831, 2932, 2934
quarantine
Globodera 1468
Synchytrium endobioticum 1468
random amplified polymorphic DNA 464, 1187
restriction fragment length polymorphism 2718
characterization 1935
Globodera rostochiensis 1934
Russia 1425
self compatibility 1423
somaclonal variation 1426, 1870
subsistence farming 1533
taxonomy 815, 1589
tissue culture 2719
conservation 1871
exchange 1869
storage 1869
tubers 1423
unreduced gametes 2179
wild relatives 1428
Solanum tumescens
new species 1622
South America 1622
Solanum vernei
genetic transformation 2719
tissue culture 2719
Solanum viarum
pharmaceutical products 2209
protoplast fusion 2209
Solanum villosum
Disease resistance, *Phytophthora infestans* 2832
interspecific hybridization 2832
Solanum (×) ***Lycopersicon,*** protoplast fusion 469, 681, 685, 1424
Solenostemma argel, *in vitro* culture, pharmaceutical products 2741
Solomon Islands, *Dendrobium gouldii* 2455
Somaclonal variation
Aegilops squarrosa 2775
Allium trifoliatum, regeneration 360
Beta vulgaris
beetroots 476
fodder beet 476
sugarbeet 476
regeneration 386
Elymus × *Triticum* 636
barley yellow dwarf luteovirus 625
Lycopersicon esculentum 2943
Lycopersicon peruvianum 2943
Solanum chacoense 1426
Solanum tuberosum 1426, 1870
Triticum aestivum 2775
Triticum dicoccum 2775
Triticum durum 2775
Triticum monococcum 2775
Triticum × *Secale, Heterodera avenae* 625
Somalia
Aristida leptura 840
Aristida pycnostachya 840
Aristida tenuiseta 840
Commiphora guidottii 1614
crops 173
Eragrostis incrassata 840
Eragrostis tridentata 840
Ficus 869
forest trees 2991
forests 2991
Indigofera bayensis 1581
Indigofera gypsacea 1581
Indigofera karkarensis 1581
Indigofera lamellata 1581
Indigofera lughensis 1581
Indigofera phymatodea 1581
Indigofera pseudointricata 1581
Indigofera scopiformis 1581
Microcharis nematophylla 1581
Oryza sativa 173
Pennisetum glaucum 173
Phaseolus vulgaris 173
Sorghum bicolor 173
Vigna 173, 182
Vigna subterranea 173
Somalia *cont.*
Vigna unguiculata 173, 182
Zea mays 173
Somatic hybridization (*see* Protoplast fusion)
Sonneratia
chromosome number 2406
taxonomy 2406
Sophora
chromosome morphology 2405
taxonomy 2405
Sophora flavescens
medicinal properties 1955
tissue culture, flavonoids 1955
Sophora microphylla
ornamental value 2879
UK 2879
Sorbus
Bhutan 81
fruits, taxonomy 80
keys 81
taxonomy 81
Sorbus aria
ornamental value 2879
UK 2879
Sorbus domestica
embryo culture, regeneration 1856
seeds, dormancy 1856
tissue culture, regeneration 402
Sorbus lingshiensis, new species 81
Sorbus longii, new species 81
Sorbus macallisteri, new species 81
Sorbus meinichii
Norway 1366
ornamental value 1366
Sorbus rinzenii, new species 81
Sorghum
collecting missions 2550
Namibia 2550
Sorghum bicolor
Africa 2016
Arab Countries 2552
Asia 2016
breeding 657
Chad 173
China 752, 2793
collecting missions 173, 1030, 2550, 2552
collections 2756
disease resistance, *Claviceps sorghi* 1257
distribution 2352
gene banks 1216, 2756
genetic resources 752
genetics, amylose 2161
height 1258
Honduras 2015
India 526, 2756
isoenzymes 2016, 2793
landraces 657, 2015
Lesotho 173
Middle East 2016
molecular genetics 460
Namibia 2550
pest resistance
Peregrinus maidis 526
Schizaphis graminum 2017
photoperiodism 2793
plant introduction 1216
quarantine 1216
restriction fragment length polymorphism 1920
Russia 2017
seed anatomy
germination 273
vigour 273
seed banks, germination 1848
seed quality
germination 273
vigour 273
seeds
drought 272
germination 272
heat shock 274
storage 2630
vigour 272, 274
shade 2015
Somalia 173
Sorghum purpureo-sericeum, chromosome morphology 460
subsistence farming 1826
Swaziland 173
Sorghum bicolor *cont.*
Tanzania 173
taxonomy 2352
Uganda 1030
USA 1216, 1848
Yugoslavia 1258
Zimbabwe 173, 1826, 2352
Sorghum halepense
collecting missions 1030
molecular genetics 460
Uganda 1030
Sorghum nitidum
cytology 527
India 527
morphology 527
Sorghum purpureo-sericeum
Sorghum bicolor, chromosome morphology 460
Sorghum versicolor, chromosome morphology 460
Sorghum versicolor
molecular genetics 460
polyploidy 1411
Sorghum purpureo-sericeum, chromosome morphology 460
Sorghum × ***Oryza,*** intergeneric hybridization 1412
South Africa
Aloe bowiea 951
Amaryllidaceae 1980
Arachis 502
Corymbium 2444
Corymbium elsiae 2444
Cucumis 2504
Duvalia 2469
Erica amicorum 919
Erica cunoniensis 919
Erica tegetiformis 919
Erythrina 127
Erythrina caffra 127
fodder plants 2242
forest trees 248
forests 1069, 1780, 2593
grasslands 52, 197-198, 202, 216, 222, 233, 1058-1060, 1063-1064, 1780, 1787-1788, 1793-1794
Hakea sericea 1005
Justicia 2437
Leucadendron 1115
Merxmuellera setacea 60
Mucuna 127
nature reserves 787, 2568
Pelargonium alchemilloides 2445
Pelargonium patulum 1660
Pteridophyta 2901
Setaria incrassata 1741
Siphonoglossa 2437
Solanum 2099
Solanum mauritianum 2099
Sparaxis 938
Streptocarpus 2447
Streptocarpus caeruleus 2447
Streptocarpus fasciatus 2447
Streptocarpus makabengensis 1669
Streptocarpus occultus 1669
succulent plants 189
Sutherlandia frutescens 1665
Sutherlandia microphylla 1665
Sutherlandia montana 1665
Tetraclinis articulata 102
Tribolium 1578
Vigna unguiculata 2374
wild plants 135
South America
Aequatorium cajamarcense 1648
Aequatorium juninense 1648
Aequatorium kingii 1648
Aequatorium tovarii 1648
Anacardium 1603
Anacardium amapaënse 1603
Arachis hypogaea 2102
Arthrostylidium 2368
Astrocasia 97
Atractantha 133
Caldcluvia paniculata 1650
Chamaecrista radinii 1624
Coccoloba 1627
Cybianthus 1613
Elymus magellanicus 2035
grasses 1796
Guadua chacoensis 132

South America *cont.*
Gynoxys chingualensis 1648
Gynoxys hutchisonii 1648
Gynoxys jaramilloi 1648
Hordeum patagonicum 826
Hordeum santacrucense 826
Hordeum setifolium 826
Jacquinia armillaris 1621
Krameria 1087
Lecointea hatschbachii 1624
Lepanthes atwoodii 119
Lepanthes barbatula 119
Lepanthes calyptrata 119
Lepanthes cordeliae 119
Lepanthes endresii 119
Lepanthes hastata 119
Lepanthes ingramii 119
Lepanthes ligulata 119
Lepanthes llipiensis 119
Lepanthes pycnogenia 119
Lepanthes recurva 119
Lepanthes ringens 119
Lycopersicon esculentum 2722
Macrolobium cidii 1624
Madia sativa 1083
Manihot esculenta 2967
Maquira 2621
Masdevallia goliath 122
Masdevallia mascarata 122
Masdevallia ricii 122
Mimosa 1495
Mimosa pedalis 1624
Naucleopsis 2621
Panicum 829, 2354
Paspalum dilatatum 1759
Phaseolus vulgaris 1081
Pithecellobium micranthum 1624
Protium 1626
Protium carolense 1626
Protium morii 1626
Protium strumosum 1626
Pseudogynoxys cabrerae 1370
rain forests 2610
Senna monilifera 1624
Solanum, tuberous species 36, 2067
Solanum gertii 1622
Solanum microdontum 1588
Solanum morii 1622
Solanum platycypellon 1622
Solanum superbum 1622
Solanum tumescens 1622
Stenandrium 2442
Swartzia ingens 1624
Thyrsodium 2420
Thyrsodium bolivianum 2420
Thyrsodium puberulum 2420
Thyrsodium rondianum 2420
Vigna unguiculata 2501
South Asia, *Oryza sativa* 2555
South East Asia
Buxus 2338
Cassia 40
Cassia siamea 40
Garcinia hombroniana 979
Garcinia malaccensis 979
Garcinia mangostana 979
Hygroryza 1768
Leersia 1768
Lepidopetalum fructoglabrum 902
Lepidopetalum micans 902
Lepidopetalum montanum 902
Lepidopetalum perrottetii 902
Lepidopetalum subdichotomum 902
Lepidopetalum xylocarpum 902
Musa 13, 185
Musa acuminata 185
Musa balbisiana 185
Musa schizocarpa 185
Nyssa 2339
Oryza granulata 1768
Oryza meyeriana 1768
Oryza officinalis 1768
Oryza ridleyi 1768
Oryza rufipogon 1768
Oryza sativa 1768, 2555
on-farm conservation 1532
Parkia singularis 1635
Parkia sumatrana 1635
Plantago 13
quarantine 1457
vegetables 1771
South East Asia *cont.*
Vigna radiata 2375
South Pacific, forests 247
Southern Africa
Arachis hypogaea 2196
Buxus 2338
Crinum macowanii 2689
Euphorbia monteiroi 2466
forests 1068
Sowing date, *Glycine max* 2826
Soybean mosaic potyvirus, *Glycine soja,* disease resistance 2824
Soybean yellow vein virus, *Glycine max,* disease resistance 554
Spain
Anthyllis 1284
Apioideae 2477
Avena 1767, 2554
Borago officinalis 1757
Cucumis melo 577, 687
Erysimum 1674
Erysimum baeticum 1673
Erysimum medio-hispanicum 1673
Erysimum popovii 1673
forests 771
grasses 2635
grasslands 1052, 1062, 1065, 2584, 2588, 2591
Juniperus phoenica 1017
Lavatera oblongifolia 1164
Lens culinaris 150
Lens nigricans 150
Lotus 1284
Milium montianum 975
Muscari matritensis 944
nature reserves 2570
Phaseolus vulgaris 2053-2055
Pisum sativum 1745, 2827
Prunus 2763
Prunus dulcis 2763
Prunus mahaleb 2541
Prunus spinosa 2541
Quercus rotundifolia 2395
Tetragonolobus 1284
Tuberaria commutata 1565
Tuberaria conspicua 1565
Tuberaria guttata 1565
vegetables 2560
Sparattosperma
distribution 903
keys 903
taxonomy 903
Sparaxis
South Africa 938
taxonomy 938
Spartina
evolution 2497
interspecific hybridization 2497
plant colonization 2497
Spartium junceum, seeds, cryopreservation 1094
Spatholobus, taxonomy 961
Spatholobus latibractea
Malaysia 961
new species 961
Speciation (*see* Evolution)
Spergula arvensis, seeds, germination 1119
Sphaceloma (*see also Elsinoe*)
Sphaerotheca fuliginea, *Cucurbita moschata,* disease resistance 1323
Sphaerulina (*see also Cercospora*)
Spice plants, genetic resources 5
Spigelia flava
Brazil 1367
characterization 1367
Spinacia oleracea
disease resistance, *Peronospora farinosa* 2839
tissue culture, regeneration 362
Spinacia tetrandra, disease resistance, *Peronospora farinosa* 2839
Spinacia turkestanica, disease resistance, *Peronospora farinosa* 2839
Spiraeanthemum, taxonomy 100
Spiranthes cernua, apomixis 1019
Spiranthes magnicamporum
Canada 423
endangered species 423
tissue culture, regeneration 423
Spores, Pteridophyta, conservation 2307
Sporobolus distichivaginatus
Guatemala 831
new species 831
Sporobolus gloeoclados
keys 1574
new species 1574
Saudi Arabia 1574
Sporobolus minimus
keys 1574
new species 1574
Saudi Arabia 1574
Sporobolus virginicus, tissue culture, regeneration 1866
Sri Lanka
forests 1779, 2299
grasslands 1779
Oryza 1778
Stability, *Pennisetum glaucum,* landraces 659
Stachylidium (*see also Verticillium*)
Statistics
ethnobotany 2600-2601
nature reserves 787
Stellaria media, seeds, germination 1119
Stemphylium (*see also Alternaria*)
Stenandrium
Africa 2442
Madagascar 2442
pollen 2442
South America 2442
taxonomy 2442
Stenchaetothrips biformis
Oryza officinalis, pest resistance 537
Oryza sativa, pest resistance 537
Stephanopodium gentryi
Colombia 1637
new species 1637
Stereocaulon himalayense
ethnobotany 2624
India 2624
Sterility
Aegilops caudata 164
Capsicum baccatum 686
Capsicum frutescens 686
Carthamus 1350
Steroids, *Yucca gloriosa, in vitro* culture 2735
Stigmatodactylus croftianus, taxonomy 947
Stigmatodactylus gibbsae, taxonomy 947
Stigmatodactylus variegatus, taxonomy 947
Stipa
keys 2362
Mediterranean countries 2362
taxonomy 2362
Stipa neesiana
New Zealand 1103
seed banks, viability 1103
Stipa nitida
Australia 203
grazing 203
Stipa sczerbakovii
Kazakhstan 841
new species 841
Stipa tunetana
new species 2362
Tunisia 2362
Stipa zaissanica
Kazakhstan 841
new species 841
Stipagrostis ciliata
Africa 62
taxonomy 62
Stipagrostis dhofariensis
keys 1574
new species 1574
Saudi Arabia 1574
Stipagrostis xylosa
keys 1574
new species 1574
Saudi Arabia 1574
Storage
Abies alba, tissue culture 1154
Allium cepa
seed treatment 259, 294
seeds 2648-2649
Ananas, tissue culture 1145
Ananas ananasoides, tissue culture 1880
Ananas comosus, tissue culture 1880
Andropogon gayanus, seeds 2639
Arachis hypogaea
seed treatment 259, 314

Storage *cont.*
Arachis hypogaea cont.
seeds 260, 313, 1111-1113
Artocarpus heterophyllus, recalcitrant seeds 309
Atriplex cordobensis, seeds 2634
Avena sativa, seeds 1098
Bambuseae, tissue culture 2700
Brassica, pekinensis, seed treatment 295
Brassica napus, pollen 1149
Bulbine bulbosa, seeds 2661
Caesulia axillaris, seeds 323
Camellia sinensis
recalcitrant seeds 315
seeds 316
Capsicum, seeds 2648
Capsicum annuum, seeds 300
Carica papaya 2673
Catharanthus roseus, seeds 2662
Cenchrus glaucus, seeds 283
Centaurium rigualii, tissue culture 421
Cicer arietinum, seed treatment 259
Citrullus lanatus, seeds 1109, 2648
Citrus tachibana, pollen 1438
Clianthus formosus, pollen 419
Cocos nucifera, embryo culture 1882
Coffea, tissue culture 1152
Coffea arabica, tissue culture 1152
Colliguaja integerrima, seeds 2112
Colocasia esculenta, tissue culture 1874
Cornus stolonifera, seeds 2658
Coronopus navasii, tissue culture 421
crops, seeds 263, 1845
Crotalaria saltiana, pollen 388
Cucumis sativus, seeds 302
Cycas thouarsii, pollen 2685
Cyphomandra betacea, pollen 1764
Dactylis glomerata, pollen 2034
Delphinium, seeds 2659
Dimocarpus longan
recalcitrant seeds 306
seeds 2650
Dionaea muscipula, tissue culture 420
Disa uniflora, seeds 1117
Drosera, tissue culture 420
Encephalartos, pollen 2685
Fagus sylvatica
recalcitrant seeds 2656
tissue culture 1154
forest trees, tissue culture 2681
Galium spurium, seeds 2664
Glycine max, seeds 292, 2627
Gossypium hirsutum, seeds 1474, 2654
grain legumes, seeds 1104
grasses, seeds 2635
Helianthus annuus
seed treatment 259
seeds 260, 2649, 2652-2653
Helichrysum apiculatum, seeds 2661
Helipterum albicans, seeds 2661
Heracleum sosnovskyi, seeds 1850
Hevea brasiliensis, tissue culture 2680
Hordeum vulgare, seeds 1097-1098, 2627
in vitro culture 1957
Ipomoea batatas, post harvest treatment 570
Lactuca sativa, seeds 298
Landolphia kirkii, recalcitrant seeds 319
Lavatera oblongifolia, tissue culture 421
Leguminosae, seeds 1101
Lens culinaris, seeds 289
Leptorhynchos squamatus, seeds 2661
Litchi chinensis
recalcitrant seeds 306
seeds 2650
Lupinus, seeds 289
Mangifera indica, recalcitrant seeds 306
ornamental plants, seeds 1212
Oryza sativa, seeds 279, 2631, 2633
Paspalum guenoarum, seeds 2638
Pennisetum glaucum, seeds 276, 2654
Pennisetum polystachion, seeds 277
Phaseolus vulgaris, seeds 2644-2645
Picea glauca
artificial seeds 2684
embryo culture 2684
Picea mariana
artificial seeds 2684
embryo culture 2684
Pisum sativum, seeds 260, 2648
Platanthera integrilabia, seeds 1858

Storage *cont.*
pollen 1957
Polygonum, seeds 1850
Polygonum weyrichii, seeds 1850
Prunus persica, pollen 1878
Quercus arizonica, seeds 2655
Quercus emoryi, seeds 2655
Quercus petraea, tissue culture 1154
Quercus robur, tissue culture 1154
Ranunculus acris, seed treatment 1861
Ranunculus sceleratus, seed treatment 1861
recalcitrant seeds 1843
Robinia pseudoacacia, tissue culture 1890
root crops, tissue culture 2668
Secale cereale, seeds 268, 1098
seed aging 1093
seed deterioration 258
seeds 1091, 1843, 1957
Silphium perfoliatum, seeds 1850
Solanum, in vitro culture 1134
Solanum tuberosum
in vitro culture 1134
tissue culture 1869
Sorghum bicolor, seeds 2630
Stylidium graminifolium, seeds 2661
Thymophylla tephroleuca, seeds 2663
triticale, seeds 1098
Triticum aestivum
plant embryos 1126
seed testing 267
seeds 1097-1098, 2627, 2629
Triticum durum, seed testing 267
Vanilla walkeriae, tissue culture 440
vegetables, seeds 1212, 2648
Vicia pannonica, seeds 289
Vicia sativa, seeds 289
Vicia villosa, seeds 289
Vigna unguiculata 2603
seeds 1107, 2647
Vitis vinifera, pollen 374
Vittadinia muelleri, seeds 2661
Wahlenbergia stricta, seeds 2661
Zea mays
seed treatment 259, 270
seeds 271, 1847
Zoysia, in vitro culture 1163
Storage decay, *Zea mays*, seed treatment 1462
Storage quality, *Ipomoea batatas* 1311
Streptocarpus
South Africa 2447
taxonomy 2447
Streptocarpus caeruleus
South Africa 2447
taxonomy 2447
Streptocarpus fasciatus
new species 2447
South Africa 2447
Streptocarpus makabengensis
new species 1669
South Africa 1669
Streptocarpus occultus
new species 1669
South Africa 1669
Stress
Brassica juncea 591
Cicer arietinum 1298
grasses 1796
Oryza sativa 2029, 2166
Triticeae, molecular genetics 1912
Triticum dicoccum 515
Strophostyles, chloroplast genetics, evolution 2716
Stylidium graminifolium
Australia 2661
seeds, storage 2661
Stylosanthes guianensis, random amplified polymorphic DNA, taxonomy 1928
Styphnolobium
Central America 2404
chromosome morphology 2405
keys 2404
taxonomy 2404-2405
Subsistence farming
Canarium 2484
Colocasia 2484
crops 1824, 2484
diversity 1825
Eleusine coracana 1033

Subsistence farming *cont.*
Ipomoea 2484
legislation 2318
millets 1826
Mozambique 1814
Phaseolus vulgaris
distribution 1827
diversity 1081
root crops 2178
socioeconomics 1814-1815
Solanum tuberosum 1533
Sorghum bicolor 1826
sustainability 1555
woodlands 2617
Subtropical fruits
conservation 20
genetic erosion 20
Succisa pratensis
evolution, isoenzymes 1723
genetics, isoenzymes 1723
Succulent plants
burning 1811
collecting missions 189
conservation 1811
South Africa 189
Sucrose synthase, *Lycopersicon chmielewskii*, development 2078
Sudan, fodder legumes 1270
Sulfur, *Allium cepa* 572
Sumatra
Musa acuminata 1762
Musa salaccensis 1762
Surveys
Allium carolinianum 2564
Allium humile 2564
Allium rubellum 2564
Allium wallichii 2564
Bambuseae 2481
crops 823
Elaeagnus angustifolia 1772
Enkianthus chinensis 104
flora 2344, 2424
nature reserves 194
forest trees 2390
forests 2391
fruit crops 1772
genetic resources 747, 1497
Hugeria vaccinioides 104
Leguminosae 2347
Malus 1772
Myristica 2898
Orchidaceae 1688
ornamental plants 2427
Oryza sativa 753
Pinus halepensis 2424
Pyrus 1772
Rhododendron fortunei 104
Rhododendron maculiferum 104
Rhododendron mariesii 104
Rhododendron molle 104
Rhododendron ovatum 104
Rhododendron simsii 104
Rosa laevigata 1772
Rosa roxburghii 1772
vegetables 750
Ziziphus spinosus 1772
Sustainability
agricultural policy 1546
biotechnology 444, 2702
conservation 2278-2279
crops 2251
genetic resources 1504
economics 804, 1554, 2272
books 1484
Eucalyptus tereticornis, clones 2960
fodder plants 2284
forests 793, 1535
gene banks 1958
genetic resources 783, 788, 1480, 1496, 1517-1520, 1522, 2250
books 2232
India 1557, 2281
indigenous knowledge 1555, 1557
Oryza sativa, on-farm conservation 1532
policy 804, 1554-1555, 1557, 2272
rain forests 246, 1506, 2609-2610
subsistence farming 1555
tropical forests 2300
woodlands 2617
Sutera
keys 1671

Sutera *cont.*
taxonomy 1671
Sutherlandia frutescens
characterization 1665
medicinal properties 1665
South Africa 1665
Sutherlandia microphylla
characterization 1665
South Africa 1665
Sutherlandia montana
characterization 1665
South Africa 1665
Swartzia ingens
new species 1624
South America 1624
Swaziland
crops 173
flora 775
Oryza sativa 173
Pennisetum glaucum 173
Phaseolus vulgaris 173
Sorghum bicolor 173
Vigna 173, 182
Vigna subterranea 173
Vigna unguiculata 173, 182
Zea mays 173
Sweden
Brachypodium 2033
crops 1963
Cypripedium calceolus 1116
Dactylis 2033
Elymus 2033
fodder legumes 1415
gene banks 1960
Hordeum 2033
Leymus 2033
Medicago coerulea 1415
Medicago glutinosa 1415
Medicago sativa 1415
Nordic Gene Bank for Agricultural and Horticultural Plants, reports 1477
Phleum 2033
Poa 2033
Psathyrostachys 2033
quarantine 711
Silene dioica 2126
Trifolium pratense 1415
Triticeae 7
Switzerland
Carex curvula 1808
Hordeum vulgare 1994
Pinus sylvestris 2576
Triticum aestivum 1994
Synchytrium endobioticum, *Solanum tuberosum,* quarantine 1468
Syria
Aegilops 721
Avena 1791
Bromus 1791
Cajanus cajan 500
Cicer arietinum 721, 1298, 1300, 2047, 2060, 2490
environmental degradation 778
grasslands 1791
Heteranthelium piliferum 1791
Hordeum vulgare 721, 1250
Lathyrus hirticarpus 2372
Lens culinaris 721, 2047
Medicago orbicularis 1852
Medicago rigidula 1852
Medicago rotata 1852
resource management 778
Trifolium campestre 1791, 1852
Trifolium stellatum 1791, 1852
Trifolium tomentosum 1791, 1852
Triticum 721
Triticum aestivum 517, 721
Triticum dicoccoides 2712
Triticum dicoccum 515, 1244
Triticum durum 511, 517, 1243, 1995, 2712, 2774, 2782
Vicia faba 721, 2047
Syringa
botanical gardens 2766-2767
Georgia 2766
Latvia 2767
ornamental value 2767
Syzygium malaccense
archaeology 1721
Hawaii 1721
Tabebuia
distribution 903
keys 903
taxonomy 903
Tabernaemontana pandacaqui, cell culture, alkaloids 2739
Taiwan
Asarum taiwanense 1570
Bletilla formosana 1570
Caesalpinia bonduc 99
Caesalpinia crista 99
Caesalpinia decapetala 99
Caesalpinia minax 99
Citrus wanshanensis 1570
Cucurbitaceae 1593
flora 1570
forests 2301
Glycine dolichocarpa 1583
Glycine max 178, 1583
Glycine tabacina 1583
Glycine tomentella 1583
Lilium longiflorum 162
Machilus 98
Miscanthus floridulus 1280
Miscanthus transmorrisonensis 1280
Oryza rufipogon 993-994, 1849
Pyrus calleryana 2382
Pyrus taiwanensis 2382
Viola adenothrix 2125
Viola arcuata 2125
Zea mays 1740
Tajikistan
Arabidopsis thaliana 1211
Corydalis ruksanii 930
Tamarindus indica, molluscicidal properties 2098
Tanshinone, *Salvia miltiorrhiza,* tissue culture 491
Tanzania
Bauhinia loeseneriana 1643
crops 173
flora 1057
forests 191, 1067, 1809, 2391
grasslands 1785, 1790
Musa 1342
Oryza sativa 173
Pennisetum glaucum 173
Phaseolus vulgaris 173
Sorghum bicolor 173
Vigna 173, 182
Vigna subterranea 173
Vigna unguiculata 173, 182
Zea mays 173
Taprobanea spathulata
Asia 118
taxonomy 118
Taraxacum mongoliam
genetic transformation 479
tissue culture 479
Tasmania, *Nothofagus* 985
Taxodium
chloroplast genetics
palaeobotany 2733
ribulose-bisphosphate carboxylase 2733
Taxonomy 34, 42-43, 786, 1512
(*see also* Chemotaxonomy; Cytotaxonomy; Keys; Numerical taxonomy)
Abelia 901
Abies alba 2417
Abies bornmuelleriana 2417
Abies equi-trojani 2417
Abies nordmanniana 2417
Acacia 156, 889-890
Acacia albida, molecular genetics 1950
Acacia ampliceps 889
Acacia aneura 1612
Acacia ayersiana 1612
Acacia bidwillii, molecular genetics 1950
Acacia bivenosa 889
Acacia boliviana, molecular genetics 1950
Acacia cowleana 1610
Acacia cupularis 889
Acacia cuspidifolia 890
Acacia dempsteri 890
Acacia glaucocaesia 890
Acacia holosericea 1610
Acacia ligulata 889
Acacia mearnsii 2399
Acacia melanoxylon, molecular genetics 1950
Acacia multipinnata 1609
Acacia neurocarpa 1610
Acacia paniculata 1609
Acacia pickardii 890
Acacia pycnantha, molecular genetics 1950
Acacia rostellifera 889
Acacia salicina 889
Acacia sclerosperma 889
Acacia senegal, molecular genetics 1950
Acacia tysonii 889
Acacia ulicifolia, molecular genetics 1950
Acacia victoriae 890
Acacia xanthina 889
Acer 911, 2418, 2543
Ackama rosifolia 1650
Adenanthera 110
Adenanthera malayana 110
Adenanthera microsperma 110
Adenanthera tamarindifolia 110
Aegilops 824
Aegilops peregrina 824
Aegilops sharonensis 824
Agropyron 57
Aistopetalum 100
Albizia niopoides 1640
Allium 75, 856
chloroplast genetics 1191
random amplified polymorphic DNA 1937
Allium altaicum 859
chloroplast genetics 1191
Allium ameloprasum, chloroplast genetics 1191
Allium cepa 859
chloroplast genetics 1191
Allium fimbriatum 940
Allium fistulosum 859
chloroplast genetics 1191
Allium galanthum 859
chloroplast genetics 1191
Allium oschaninii 859
chloroplast genetics 1191
Allium pskemense 859
chloroplast genetics 1191
Allium roylei 859
chloroplast genetics 1191
Allium tuberosum, chloroplast genetics 1191
Allium vavilovii 859
chloroplast genetics 1191
Allophylus pilosus 1645
Alophia veracruzana 934
Alstonia actinophylla 1699
Alstonia constricta 1699
Alstonia linearis 1699
Alstonia muelleriana 1699
Alstonia scholaris 1699
Alstonia spectabilis 1699
Amaranthus
chromosome number 2356
proteins 2356
Amaranthus graecizans
chromosome number 2356
proteins 2356
Amaranthus hybridus
chromosome number 2356
proteins 2356
Anacardiaceae 984
Anacardium 1603
Annona 88
Annona pruinosa 1631
Ansellia 2458
Ansellia africana 2458
Anthyllis 1284
Apioideae 2477
Aquilegia tuvinica 1681
Aristida 2358
Aristida beyrichiana 1579
Aristida stricta 1579
Arthrostylidium 2368
Ascocentrum aurantiacum 118
Asphodelus cirerae 939
Aster 112-113, 926
Astragalus 70, 847-848
Astragalus laguroides 2359
Astragalus miniatus 2359
Astrocasia 97

Atractantha 133
Attalea crassispatha 1618
Australia 723
Avena fatua 827
Avena sativa 827
Avena sterilis 827
Barringtonia edulis 918
Barringtonia novae-hiberniae 918
Barringtonia procera 918
Bauhinia loeseneriana 1643
Baurera 100
Becium 2473
Beta 1562
Beta macrocarpa, restriction fragment length polymorphism 1946
Beta maritima, restriction fragment length polymorphism 1946
Beta procumbens, restriction fragment length polymorphism 1946
Beta vulgaris, restriction fragment length polymorphism 1946
Bignoniaceae 903
Bletilla formosana 1570
Brachypodium distachyon 839
Brachypodium glaucovirens 839
Brachypodium mexicanum 839
Brachypodium phoenicoides 839
Brachypodium pinnatum 839
Brachypodium retusum 839
Brachypodium rupestre 839
Brachypodium sylvaticum 839
Brassica 876
  chloroplast genetics 1943
  mitochondrial genetics 1943
  random amplified polymorphic DNA 473
Brassica campestris 2386
Brassica juncea 2386
Brassica napus 2386
Brassica nigra 2386
Bromus 2363
Bromus tectorum 63
Brownea coccinea 899
Brunellia 100
Buchtienia 1690
Bulbophyllum macranthoides 123
Bulbophyllum tollenoniferum 123
Buxus 2338
Cadetia microphyton 118
Caesalpinia bonduc 99
Caesalpinia crista 99
Caesalpinia decapetala 99
Caesalpinia minax 99
Cajanus, restriction fragment length polymorphism 2373
Cajanus cajan 1560, 1585
Calamus 1638
Calamus inops 1638
Calamus orthostachys 1638
Calamus pedicellatus 1638
Calamus robinsonianus 1638
Caldcluvia paniculata 1650
Calotropis gigantea 896
Calotropis procera 896
Camptoloma 1671
Canthium 1636
Carex bergrothii, chromosome number 1577
Carex flava, chromosome number 1577
Carex jemtlandica, chromosome number 1577
Carex kotilaini, chromosome number 1577
Carex viridula, chromosome number 1577
Carica, DNA fingerprinting 1198
Carica papaya, DNA fingerprinting 1198
Carya cathayensis 875
Catasetum 945
Catasetum guianense 948
Catasetum incurvum 948
Catasetum macroglossum 948
Catasetum sodiroi 948
Catasetum violascens 948
Chamaedora, books 2993
Changnienia amoena 1696
Chloranthaceae 2421
Chloranthus erectus 2421
Chloranthus japonicus 2421
Chloranthus multistachys 2421
Chloranthus serratus 2421
chloroplast genetics 1177
Chondrosum 837
Chusquea 1702
Cicer 854
Cicer arietinum 1560
Clavija 908
Cleistes bifaria 116
Cleistes divaricata 116
Coccoloba 1627
Commiphora guidottii 1614
Conophytum 2468
Cordiglottis filiformis 118
Corymbium 2444
Costus speciosus 2440
Crambe 878-879
  pollen 877
Crassula aurus 2463
Crinum 2453
crops, reviews 2325
Cruddasia laotica 1586
Cruddasia pinnata 1586
Cucumis
  databases 864
  molecular genetics 2723
Cucumis aculeatus 863
Cucumis anguria 863
Cucumis dipsaceus 863
Cucumis ficifolius 863
Cucumis melo 76, 2378
Cucumis myriocarpus 863
Cucumis prophetarum 863
Cucumis sativus 77, 863
Cucumis zeyheri 863
Cucurbitaceae 1593
Cunoniaceae 100
Cupressus lusitanica 1655
Cyanella 2452
Cyathea intermedia 1703
Cyathea novae-caledoniae 1703
Cybianthus 1613
Cybistax 903
Cynara algarbiensis 860
Cynara auranitica 860
Cynara baetica 860
Cynara cardunculus 860
Cynara cornigera 860
Cynara cyrenaica 860
Cynara humilis 860
Cynara hystrix 860
Cynara scolymus 860
Cynara syriaca 860
Cynara tournefortii 860
Cyperus esculentus 1591
databases 1569
Delostoma 903
Dendrobium 1689
Dendrobium gouldii 2455
Dendrobium palawense 118
Dendrocalamus detinens 2478
Desmotes 1623
Dichanthelium 837
Dichelachne 2367
Digitaria dioica 1010
Digitaria neesiana 1010
Digomphia 903
Dioscorea, chloroplast genetics 2720
Dioscorea brevifolia 1590
Dioscorea delavayi 1590
Dioscorea kamoonensis 1590
Dioscorea ochroleuca 1590
Diplotaxis 1675
Diplotaxis catholica 1675
Diplotaxis siifolia 1675
Dolichos grahamianus 1586
Dolichos oxyphyllus 1586
Dolichovigna pilosa 1586
Draba
  pollen 1678
  seeds 1678
Duabanga 2406
Duvalia 2469
Echeveria 952
Echinochloa esculenta 50
Ekmanianthe 903
Elymus 56-57, 813, 835
Elytrigia 55
endangered species 821, 2326
Endostemon 2473
Ephedra 953
Ephedra campylopoda 953
Epidendrum dichaeoides 950
Ericaceae 2333
Eriobotrya japonica 38
Eriobotrya prinoides 38
Erysimum 927, 1674
Erysimum baeticum 1673
Erysimum medio-hispanicum 1673
Erysimum popovii 1673
Erythrina 127
Erythrina caffra 127
Erythrina stricta 1586
Erythrochiton 1623
Eschscholzia minutiflora 114
Eucalyptus 883
Eucalyptus desmondensis 883
Eucalyptus gardineri 883
Eucalyptus redunca 883
Eucalyptus wandoo 883
Eucryphia 100
Euphorbia monteiroi 2466
Eurystyles 1691
Eurystyles bertonii 1691
Fagraea gracilipes 2435
Festuca 833
Festuca baffinensis 833
Festuca brachyphylla 833
Festuca dasyclada 833
Festuca idahoensis 833
Festuca rubra 833
Festuca saximontana 833
Festucopsis 2364
Ficus 869
Filipendula auriculata 2449
Flemingia macrophylla 1586
flora 1570
forest trees 1567
  books 2991
forests, books 2991
fruit crops 1596
Garcinia hombroniana 979
Garcinia malaccensis 979
Garcinia mangostana 979
Genista 921
Geranium 1670
Gillbeea 100
Gliricidia maculata 2531
Glycine 1584
Glycine dolichocarpa 1583
Glycine max 1583
Glycine tabacina 1583
Glycine tomentella 1583
Glycyrrhiza 2340
Godmania 903
grasses 724, 813
  books 1489
grasslands 52, 59
Grevillea angulata 2436
Grewia fabreguesii 2422
Guadua 837
Guadua angustifolia 1701
Guadua chacoensis 132
Gurania 861
Gymnaster 112-113, 926
Gymnocarpium dryopteris 2341
Habenaria rhodocheila 118
Haworthia 1684
Hedyosmum 1628
Helianthus 2542
  restriction fragment length polymorphism 1199
Helianthus annuus 2542
Helianthus scaberrimus 2542
Heliconia 935
Heteropappus 112-113, 926
Hevea 1564
Hevea brasiliensis 1564
Hibiscus 108
Hibiscus rosa-sinensis 108
Hippeastrum 2451
history 723
Hordeum 48
  chloroplast genetics 454
  Hordeum vulgare
    chloroplast genetics 1181
    restriction fragment length polymorphism 1181
  restriction fragment length polymorphism 454
Hordeum bulbosum 47
  Hordeum vulgare
    chloroplast genetics 1181

Hordeum bulbosum cont.
Hordeum vulgare cont.
restriction fragment length polymorphism 1181
Hordeum marinum 47
Hordeum vulgare
chloroplast genetics 1181
restriction fragment length polymorphism 1181
Hordeum murinum 47
Hordeum vulgare
chloroplast genetics 1181
restriction fragment length polymorphism 1181
Hordeum patagonicum 826
Hordeum santacrucense 826
Hordeum setifolium 826
Hordeum spontaneum 47
Hordeum vulgare 47
Hyacinthella, chromosome number 1685
Ilex 2428
Ilex lihuaiensis 1662
Ilex serrata 1662
Ilex suichangensis 1662
Indigofera pseudointricata 1581
Inga 2403
Inga affinis 909
Inga edulis 909
Inga marginata 909
Inga saltensis 909
Inga uruguensis 909
Inga virescens 909
Ipomoea 1676
chloroplast genetics 1190
Ipomopsis aggregata, molecular genetics 1953
Ipomopsis macrosiphon, molecular genetics 1953
Iris, books 746
Ismene 2451
isoenzymes 2345
Jacaranda 903
Jacquinia arborea 1621
Jacquinia armillaris 1621
Jacquinia keyensis 1621
Jamesbrittenia 1671
Juniperus monticola 1656
Justicia 2437
Kaempferia 130
Kalimeris 112-113, 926
Kengyilia 66
Landolphia 92
Larix sibirica 1363
Larix sukaczewii 1363
Lathyrus 854, 2372
molecular genetics 1930
Lathyrus lanszwertii 51
Lathyrus nevadensis 51
Lathyrus vestitus 51
legumes 724
Lens 854
Lens culinaris 1560
Lepidopetalum fructoglabrum 902
Lepidopetalum micans 902
Lepidopetalum montanum 902
Lepidopetalum perrottetii 902
Lepidopetalum subdichotomum 902
Lepidopetalum xylocarpum 902
Leptochiton 2451
Lithops, isoenzymes 2467
Lobelia bridgesii 928
Lobelia excelsa 928
Lobelia loochooensis 2441
Lobelia polyphylla 928
Lobelia tupa 928
Loncera 870
Lonchocarpus tubicalyx 95
Lotus 1284, 2371
Ludwigia 906
Ludwigia anastomosans 906
Lupinus, anthers 845
Lycaste candida 2457
Lyperia 1671
Machaeranthera, chloroplast genetics 1206
Maloideae, fruits 80
Malus
books 1490
fruits 80
Malus pumila, mitochondrial genetics 2724
Mammillaria deherdtiana 2464
Mammillaria herrerae 2465
Medicago lupulina 2359
Melaleuca 2401
Mellettia rigens 1586
Meristotropis 2340
Merremia 1676
Mezzettia curtisii 2408
Mimosa, books 1495
Mimosa pedalis 1624
molecular genetics 2705
Morchella 134
Morchella angusticeps 134
Morchella conica 134
Morchella crassipes 134
Morchella deliciosa 134
Morchella elata 134
Morchella esculenta 134
Mosiera 94
Mucuna 127, 846
Musa 85-86
chloroplast genetics 2725
Muscari matritensis 944
neotropical region 1568
Nepeta 925, 2450
Nicotiana 817
Nothofagus 894
Nyssa 2339
Oberonia anthropophora 2461
Ocimum 956, 2473
Oenocarpus bacaba 1616
Oenocarpus circumtextus 1616
Oenocarpus minor 1616
Oncidium 1687
Onobrychis sibirica 2359
Ononis natrix 849
Orchidaceae 120, 1687, 1694-1695
Orthosiphon 2473
Oryza 1559, 1573
chloroplast genetics 1926
mitochondrial genetics 1926
Oryza australiensis, molecular genetics 1924
Oryza brachyantha, molecular genetics 1924
Oryza latifolia, molecular genetics 1924
Oryza meridionalis 1559
Oryza meyeriana 2355
Oryza minuta, molecular genetics 1924
Oryza nivara, molecular genetics 1924
Oryza officinalis 2355
molecular genetics 1924
Oryza punctata, molecular genetics 1924
Oryza rufipogon 1559, 2355
molecular genetics 1924
Oryza sativa 2355
molecular genetics 1924
Pachysandra axillaris 1663
Pachysandra procumbens 1663
Pachysandra terminalis 1663
Pandanus 1633
Panicum 829, 2354
Panicum miliaceum 828
Papaver, chloroplast genetics 1207
Papaver bracteatum 954
Papaver orientale 954
Papaver pseudo-orientale 954
Paratecoma 903
Paspalidium 837
Pelargonium alchemilloides 2445
Pelargonium cortusifolium 932
Pelargonium crassicaule 932
Pelargonium dichondrifolium 932
Pelargonium echinatum 932
Pelargonium odoratissimum 932
Pelargonium patulum 1660
Pelargonium reniforme 932
Pelargonium sidoides 932
Pellaea glabella, chloroplast genetics 2744
Peperomia berteroana 818
Peperomia fernandeziana 818
Peperomia margaritifera 818
Peperomia skottsbergii 818
Peridictyon 2364
Philadelphus lasiogynus 109
Philadelphus pekinensis 109
Philadelphus scaber 109
Philadelphus schrenkii 109
Philadelphus seoulensis 109
Philadelphus tenuifolius 109
Phragmorchis teretifolia 118
Phragmotheca 1629
Phragmotheca leucoflora 1630
Phragmotheca mammosa 1630
Phragmotheca siderosa 1630
Physalis angulata 87
Physalis grisea 1602
Physalis minima 87
Physalis peruviana 87
Physalis pruinosa 1602
Physalis pubescens 87
Pinus 2336-2337, 2423
molecular genetics 1951
Pinus banksiana
mitochondrial genetics 2730
restriction fragment length polymorphism 2730
Pinus contorta
mitochondrial genetics 2730
restriction fragment length polymorphism 2730
Pinus cretacea 101
Pinus densiflora, chloroplast genetics 2729
Pinus echinata, chloroplast genetics 1203
Pinus elliottii, chloroplast genetics 1203
Pinus palustris, chloroplast genetics 1203
Pinus radiata, molecular genetics 1951
Pinus sylvestris 101
chloroplast genetics 2729
Pinus taeda, chloroplast genetics 1203
Piperaceae 2421
Pithecellobium micranthum 1624
Pleurothyrium 2402
Pleurotus cystidiosus 609
Pleurotus eryngii 609
Pleurotus ostreatus 609
Pleurotus pulmonarius 609
Poa argunensis 832
Poa rangkulensis 832
Polygonum aviculare 1698
Polygonum bistorta 1698
Polygonum hydropiper 1698
Polygonum lapathifolium 1698
Polygonum minus 1698
Polygonum persicaria 1698
Potentilla drummondii 1677
Potentilla microcontigua 2438
Protea 2432
Prunus 2383
Prunus davidiana, pollen 2331
Prunus ferganensis, pollen 2331
Prunus kansuensis, pollen 2331
Prunus persica, pollen 2331
Psilanthus 1605
Psilanthus fragrans 1605
Pteris 2882
Puccinellia 61
Puccinellia bilykiana 61
Puccinellia brachylepis 61
Puccinellia distans 61
Puccinellia fominii 61
Puccinellia hauptiana 61
Puccinellia limosa 61
Puccinellia nuttalliana 61
Puccinellia poecilantha 61
Puccinellia syvaschica 61
Puccinellia tenuissima 61
Pueraria candollei 1586
Pueraria rigens 1586
Pyrus calleryana 2382
Quercus 2393
Quercus acutissima 2394
Quercus hypoxantha 2396
Quercus ilex 2395
Quercus rotundifolia 2395
Quercus serrata 2394
rain forests 1607
Raphanus sativus, random amplified polymorphic DNA 473
Rhododendron 916
Roemeria, chloroplast genetics 1207
Romeroa 903
Rosa caryophyllacea 1666
Rosa elliptica 1666
Rosa hungarica 1666
Rosa inodora 1666
Rosa micrantha 1666
Rosa polyacantha 1666
Rosa rubiginosa 1666
Rosaceae 2334

Rubus fissus 868
Rubus gothicus 868
Rubus hallandicus 868
Rubus langei 868
Rubus nemoralis 868
Rubus nessensis 868
Rubus pruinosus 868
Rubus pyramidaliformis 1599
Rubus sprengelii 868
Saccharum barberi 2388
Saccharum sinense 2388
Schefflera octophylla 893
Schiedeella 1692
Schizostachyum burmanicum 2478
Schizostachyum distans 2478
Schizostachyum scandens 2478
Schizostachyum strictum 2478
Schizostachyum tavoyanum 2478
Schizostachyum virgatum 2478
Schmardaea microphylla 900
Sechiopsis 79
Sechiopsis diptera 79
Sechiopsis distincta 79
Sechiopsis laciniatus 79
Sechium 862
Sechium hintonii 78
Sechium panamense 862
Sechium venosum 862
Sedum 820
Sedum ebracteatum, chromosome number 2470
Sedum glabrum, chromosome number 2470
Sedum hemsleyanum, chromosome number 2470
Sedum hintonii, chromosome number 2470
Senecio squalidus, molecular genetics 1210
Senecio vernalis, molecular genetics 1210
Senecio vulgaris, molecular genetics 1210
Shuteria suffulta 1586
Sicana 2379
Sinapis
  chloroplast genetics 1943
  mitochondrial genetics 1943
Sinapis alba, random amplified polymorphic DNA 473
Sinarundinaria arunachalensis 2479
Siphonoglossa 2437
Solanaceae
  chloroplast genetics 1178
  restriction fragment length polymorphism 1178
Solanum 871
  tuberous species 183, 1589
    endosperm 36
    restriction fragment length polymorphism 467
    seeds 36
Solanum acaule, restriction fragment length polymorphism 466
Solanum berthaultii 1587
Solanum lobbianum 74
Solanum microdontum 1588
Solanum tarijense 1587
Solanum tuberosum 815, 1589
Sonneratia 2406
Sophora 2405
Sorbus 81
  fruits 80
Sorghum bicolor 2352
Sparattosperma 903
Sparaxis 938
Spatholobus 961
Spiraeanthemum 100
Stenandrium 2442
Stigmatodactylus croftianus 947
Stigmatodactylus gibbsae 947
Stigmatodactylus variegatus 947
Stipa 2362
Stipagrostis ciliata 62
Streptocarpus 2447
Streptocarpus caeruleus 2447
Stylosanthes guianensis, random amplified polymorphic DNA 1928
Styphnolobium 2404-2405
Sutera 1671
Tabebuia 903
Taprobanea spathulata 118
Tecoma 903
Terminalia 2416
Tetragonolobus 1284
Themeda arguens 54
Themeda quadrivalvis 54
Themeda triandra 54
Thrixspermum pensile 118
Thyrsodium 2420
Toxosiphon 1623
Trifolium 2370
Trifolium barbigerum 51
Trifolium buckwestiorum 51
Trisetaria bornmuelleri 2365
Triticeae 825, 973
Triticum 824
Triticum urartu 824
Tuberolabium quisumbingii 118
Ulex gallii 892
Umbelliferae, databases 2348
Vaccinium calycinum 2384
Vaccinium dentatum 2384
Vaccinium reticulatum 2384
Verticordia 895
Vicia 844
  molecular genetics 1930
Vicia faba, molecular genetics 1930
Vigna 2376
  restriction fragment length polymorphism 1932
Vigna mungo 1560
Vigna radiata 1303, 1560, 1586
Vigna unguiculata 2374, 2376
  restriction fragment length polymorphism 1932
Weinmannia racemosa 1650
Weinmannia silvicola 1650
wild plants 136, 1567
  books 2980
woody plants, books 2992
Zabelia 901
Zea mays 49, 2349, 2351
Zollingeria borneensis 1634
Zoysia 59
Taxus baccata
  conservation 2305
  endangered species 2305
  India 2305
  medicinal properties 2305
Taxus brevifolia
  medicinal properties 2305
  USA 2305
Taxus *wallichiana*
  India 2305
  medicinal properties 2305
Techniques
  genetic variation 1984
  micropropagation 1123
  molecular genetics 2704
  Vigna unguiculata 2062
Tecoma
  distribution 903
  keys 903
  taxonomy 903
Telfairia occidentalis
  evaluation
    plant composition 2086
    seeds 2086
Temperate fruits
  conservation 2287
  shoots, cryopreservation 2672
Temperature
  Brassica campestris, seeds 297
  Brassica napus, seeds 297
  Brassica oleracea, seeds 297
  Gossypium hirsutum, seed quality 317
  Kigelia pinnata 1020
  Kraschenninnikovia lanata, seeds 291
Terminalia
  distribution 2416
  India 2416
  taxonomy 2416
***Terminalia catappa*,** evaluation 1362
Terpenoids, forest trees, genetic variation 2528
Tetraclinis articulata
  distribution 102
  plant introduction 102
  South Africa 102
Tetragonolobus
  Spain 1284
Tetragonolobus *cont.*
  taxonomy 1284
***Tetranychus cinnabarinus*,** *Solanum melongena*, pest resistance 575
Thailand
  Acer 2418
  Acer chiangdaoense 2418
  ASEAN-Canada Forest Tree Seed Centre, organizations 792
  Cocos nucifera 1224
  Cruddasia craibii 1586
  Cruddasia laotica 1586
  Cruddasia pinnata 1586
  Desmodium 2559
  Dolichos grahamianus 1586
  Dolichos oxyphyllus 1586
  Dolichovigna pilosa 1586
  Erythrina stricta 1586
  Flemingia kradungensis 1586
  Flemingia macrophylla 1586
  Flemingia tiliacea 1586
  forest trees 792
  genetic resources 1519
  Kaempferia 130
  Mellettia rigens 1586
  Mucuna 846
  Orchidaceae 25
  Palmae 1048
  Paphiopedilum exul 2881
  Pueraria 2559
  Pueraria candollei 1586
  Pueraria maesenii 1586
  Pueraria rigens 1586
  Shuteria suffulta 1586
  Vigna 1770
  Vigna radiata 1305, 1586, 2177
Thalictrum minus
  chemotaxonomy 2474
  Yugoslavia 2474
***Thanatephorus sasakii*,** *Oryza minuta*, disease resistance 1262
***Thapsia garganica*,** *in vitro* culture, thapsigargins 2742
Thapsigargins, *Thapsia garganica*, *in vitro* culture 2742
Thea *(see Camellia)*
Themeda arguens
  keys 54
  New Caledonia 54
  taxonomy 54
Themeda quadrivalvis
  keys 54
  New Caledonia 54
  taxonomy 54
Themeda triandra
  apomixis 2810
  chromosome pairing 2810
  keys 54
  New Caledonia 54
  taxonomy 54
Theobroma cacao
  biotechnology 478, 1910
  Brazil 14
  collecting missions 14
  collections 749
  Developing Countries 478, 1910
  distribution 14
  economics 478
  embryo culture, regeneration 1883
  evaluation 14
  gene banks 14
  Papua New Guinea 749
  policy 1910
***Thevetia peruviana*,** tissue culture, regeneration 1175
Thielaviopsis *(see also Ceratocystis)*
***Thielaviopsis basicola*,** *Nicotiana*, disease resistance 1445
Thinopyrum
  breeding 660
  numerical taxonomy 2360
***Thlaspi arvense*,** seeds, germination 1119
Thrixspermum pensile
  Asia 118
  taxonomy 118
Thymelaea hirsuta
  Israel 256
  medicinal properties 256
Thymophylla tephroleuca
  endangered species 2663

Thymophylla tephroleuca *cont.*
seeds
germination 2663
storage 2663
USA 2663
Thyrsodium
keys 2420
South America 2420
taxonomy 2420
Thyrsodium bolivianum
keys 2420
new species 2420
South America 2420
Thyrsodium puberulum
keys 2420
new species 2420
South America 2420
Thyrsodium rondianum
keys 2420
new species 2420
South America 2420
Thysanoptera, *Gossypium arboreum*, pest resistance 2868
Tibet
Elymus yangii 836
Hordeum vulgare 455
Ticodendron incognitum
chromosome number 1722
evolution 1722
Tillering, *Lolium perenne*, tissue culture 338
Timber, woody plants 1080
Tissue culture
Abies alba
regeneration 1154
storage 1154
Acacia saligna, regeneration 397
Aegilops × *Secale* 2153
Aerides japonicum, regeneration 424
Aesculus hippocastanum, aescin 2728
Agrostis stolonifera, regeneration 416
Ailanthus malabricum, regeneration 1889
Allium cepa, regeneration 358
Allium trifoliatum, regeneration 360
Allium tuberosum, regeneration 359
Allium victorialis, regeneration 361
Aloe variegata, regeneration 1169
Alysicarpus vaginalis, regeneration 345
Ananas, storage 1145
Ananas ananasoides, storage 1880
Ananas comosus, storage 1880
Anthurium andreanum, regeneration 418
Arachis, regeneration 2675
Artemisia annua, regeneration 2694
Asparagus cooperi, regeneration 430
Asparagus officinalis
cryopreservation 363, 1875
regeneration 363
vitrification 363
Averrhoa carambola, regeneration 380
Azadirachta indica, regeneration 439
Aztekium ritteri, regeneration 1168
Bambuseae, storage 2700
Begonia, regeneration 2690
Beta vulgaris, sugarbeet, regeneration 386
Bixa orellana 1170
books 738
Cactaceae, regeneration 1891
Camptotheca acuminata
alkaloids 483
camptothecin 483
Capsicum annuum, regeneration 366, 1140, 2671
Capsicum baccatum, regeneration 1140, 2671
Capsicum chinense, regeneration 2671
Capsicum frutescens, regeneration 2671
Capsicum pubescens, regeneration 2671
Carica papaya 2673
Castanea dentata, regeneration 381
Catasetum, regeneration 426
Catharanthus roseus
catharanthine 1209
vindoline 1209
Cenchrus ciliaris, regeneration 340
Centaurium rigualii, storage 421
Centrosema, regeneration 350
Centrosema brasilianum, regeneration 350
Cephaelis ipecacuanha, regeneration 2693

Tissue culture *cont.*
Cicer arietinum 2058
Cicer bijugum 2058
Cicer judaicum 2058
Cichorium, regeneration 1137
Cichorium intybus, cryopreservation 1136
Citrullus colocynthis, regeneration 368
Citrus junos, regeneration 376
Clowesia, regeneration 426
Coffea, storage 1152
Coffea arabica, storage 1152
Colocasia esculenta, storage 1874
Coptis teeta, regeneration 435
Coronopus navasii, storage 421
Crinum macowanii, regeneration 2689
Cucumis melo, regeneration 367
Cucumis myriocarpus 370
Cucumis sativus, regeneration 302, 369
Cycnoches, regeneration 426
Cymbidium forrestii, regeneration 427
Cymbidium goeringii, regeneration 1167
Cynodon dactylon, regeneration 416
Cyrtopodium, regeneration 426
Dendranthema morifolium
cryopreservation 1894
regeneration 1894
Desmodium heterocarpon, regeneration 346
Desmodium ovalifolium, regeneration 346
Dianthus, regeneration 1165
Dianthus hybridus
cryopreservation 1894
regeneration 1894
Digitalis lanata, regeneration 1172
Digitalis purpurea, regeneration 1172
Dionaea muscipula, storage 420
Dioscorea abyssinica, tubers 356
Dioscorea alata, tubers 356
Drosera, storage 420
Dyssodia pentacheta, regeneration 443
Echinochloa frumentacea, regeneration 334
Elaeis guineensis, cryopreservation 1881
Eucalyptus citriodora, regeneration 1886
Eucalyptus grandis, regeneration 390, 1887
Eucalyptus gunnii, regeneration 1156
Eucalyptus radiata, regeneration 391
Eucalyptus sideroxylon, regeneration 1885
Eucalyptus torelliana, regeneration 1886
Fagus sylvatica
regeneration 1154, 1158
storage 1154
Flaveria chloraefolia, regeneration 417
Flaveria cronquistii, regeneration 417
Flaveria pubescens, regeneration 417
Flaveria trinervia, regeneration 437
fodder plants 1865
forest trees 1155
regeneration 2681
storage 2681
Fragaria ananassa, regeneration 372
Fraxinus excelsior, regeneration 1159
Galeandra, regeneration 426
gene banks 329
Genipa americana, iridoids 480
Gerbera piloselloides, regeneration 1895
Gerbera viridifolia, regeneration 1895
Glycine canescens, regeneration 351
Glycine falcata, regeneration 351
Glycine gracilis, regeneration 351
Glycine latifolia, regeneration 351
Glycine max, regeneration 351
Glycine soja, regeneration 351
Glycine tabacina, regeneration 351
Glycine tomentella 352
regeneration 351
Glycine wightii, regeneration 1133
Gomphrena officinalis, regeneration 436
Gossypium arboreum 704
Gossypium hirsutum 704
Graphorkis lurida, regeneration 426
Grevillea scapigera, regeneration 1162
Grobya galeata, regeneration 426
Helianthus 694
Helianthus annuus 694
Helianthus debilis, regeneration 385
Helianthus divaricatus, regeneration 385
Helianthus maximiliani 1150
regeneration 385

Tissue culture *cont.*
Helianthus mollis, regeneration 385
Helianthus nuttallii, regeneration 385
Helianthus praecox, regeneration 385
Hemidesmus indicus, regeneration 1898
Hevea brasiliensis
regeneration 1884
storage 2680
Hibiscus cannabinus, regeneration 389
Homalomena occulta, regeneration 438
Hordeum geniculatum, regeneration 1128
Hordeum × *Secale* 1179
Hordeum × *Triticum* 1179
Humulus lupulus, regeneration 1176
Ipomoea batatas 2670
pathogens 1469
regeneration 1135
transport 1470
Ipomoea lacunosa, regeneration 1135
Ipomoea trifida, regeneration 1135
Ipomoea triloba, regeneration 1135, 1872
Lablab purpureus, regeneration 354
Larix decidua, regeneration 407
Larix eurolepis, cryopreservation 2683
Larix occidentalis, regeneration 1161
Lathyrus cicera, regeneration 344
Lathyrus ochrus, regeneration 344
Lathyrus sativus, regeneration 344, 347
Lavatera oblongifolia
regeneration 1164
storage 421
Leersia perrieri, regeneration 1864
Leptochloa fusca, regeneration 1864
Lilium testaceum, glucomannans 482
Limonium estevei 1893
Linum alpinum, regeneration 1153
Linum amurense, regeneration 1153
Linum hologynum, regeneration 1153
Linum perenne, regeneration 1153
Lolium perenne
flowering 338
tillering 338
Lupinus luteus, regeneration 1131
Lupinus polyphyllus, regeneration 1132
Luteus angustifolius, regeneration 1131
Luteus polyphyllus, regeneration 1131
Lycopersicon esculentum, regeneration 1139
Lycopersicon hirsutum, regeneration 365
Lycopersicon peruvianum, *Lycopersicon esculentum* 1433
Lycopersicon pimpinellifolium, regeneration 1139
Madhuca longifolia, regeneration 2676
Malus paradisiaca, cryopreservation 1141
Malus pumila, cryopreservation 1141
Mammillaria san-angelensis, regeneration 1891
Manihot esculenta, regeneration 355
Manihot tristis 2669
Maytenus emarginata, regeneration 398
Medicago polymorpha, regeneration 1867
Medicago sativa
cold resistance 336
regeneration 336, 341, 663, 1420
Melia azedarach, regeneration 1888
Melilotus 1130
Melilotus alba 1130
Melilotus altissima 1130
Melilotus dentata 1130
Melilotus indica 1130
Melilotus infesta 1130
Melilotus italica 1130
Melilotus officinalis 1130
Melilotus polonica 1130
Moricandia arvensis, regeneration 383
Moringa oleifera, regeneration 396
Mormodes, regeneration 426
Morus bombycis, cryopreservation 1141
Nardostachys jatamansi, regeneration 2698-2699
Nasturtium officinale, regeneration 1138
Nepenthes khasiana, regeneration 1896
Nicotiana rustica, regeneration 387
Orchidaceae, regeneration 1891
Origanum vulgare, regeneration 442
Oryza, regeneration 1864
Oryza barthii 335
Oryza officinalis 335
Oryza rufipogon 335

Tissue culture *cont.*
Oryza sativa 335
Pelargonium grandiflorum, regeneration 413
Pelargonium hortorum, regeneration 414
Pelargonium zonale, regeneration 413
Penstemon serrulatus, iridoids 481, 1204
Peucedanum palustre, regeneration 2695
Phalaenopsis, regeneration 425
Phalaenopsis amboinensis, regeneration 425
Physalis ixocarpa, regeneration 1146
Picea abies, regeneration 1160
Picea mariana, cryopreservation 2683
Picea sitchensis, regeneration 405
Pinus canariensis, regeneration 404
Pinus elliottii, regeneration 403
Piper longum, regeneration 1898
Piper nigrum 1170
Platonia insignis 1170
Platycerium bifurcatum, regeneration 431
Poa pratensis, regeneration 416
Polymnia sonchifolia, regeneration 337
Populus, *Xanthomonas populi* 1361
Prosopis tamarugo, regeneration 348
Pyrus communis, cryopreservation 1141
Pyrus pyrifolia, cryopreservation 1141
Quercus petraea
regeneration 1154
storage 1154
Quercus robur
regeneration 394, 1154
storage 1154
Quercus rubra, regeneration 393
regeneration 328
Robinia pseudoacacia
regeneration 1890
storage 1890
root crops, storage 2668
Rubus, blackberries, regeneration 1879
Rubus idaeus, regeneration 1879
Rubus occidentalis, regeneration 1879
Saccharum officinarum, cryopreservation 2678
Salicornia bigelovii, regeneration 2677
Salvia miltiorrhiza
regeneration 491
tanshinone 491
Sanguinaria canadensis, alkaloids 1952
Secale × *Triticum* 1179
Sesbania grandiflora, regeneration 349
Sesbania rostrata, regeneration 1868
Smilax nipponica, regeneration 364
Smilax oldhami, regeneration 364
Solanum tuberosum 2719
conservation 1871
exchange 1869
storage 1869
Solanum vernei 2719
Sophora flavescens, flavonoids 1955
Sorbus domestica, regeneration 402
Spinacia oleracea, regeneration 362
Spiranthes magnicamporum, regeneration 423
Sporobolus virginicus, regeneration 1866
Taraxacum mongoliam 479
Thevetia peruviana, regeneration 1175
Trifolium pratense
cold resistance 336
regeneration 336
Tylophora indica, regeneration 2696
Vaccinium, regeneration 371
Vaccinium corymbosum, regeneration 371
Vanilla walkeriae
regeneration 440
storage 440
Vigna acontifolia, regeneration 353
viruses 2966
Vitis rupestris, regeneration 373
Withania somnifera, regeneration 434
Xanthosoma sagittifolium, regeneration, flowering 357
Zamia fischeri, regeneration 400
Zamia furfuracea, regeneration 400
Zamia pumila, regeneration 400
Zingiber officinale, regeneration 441
Ziziphus mauritiana, regeneration 379
Ziziphus nummularia, regeneration 379
Zoysia japonica, regeneration 416
Zoysia koreana, regeneration 416
Tithonia diversifolia
Cameroon 2129
essential oils 2129
medicinal properties 2129
Tithonia* × *Helianthus, intergeneric hybridization 695
Tobacco mosaic tobamovirus
Capsicum annuum, disease resistance 2945
Capsicum chinense, disease resistance 2945
Capsicum frutescens, disease resistance 2945
Lycopersicon esculentum, disease resistance 2940
Lycopersicon peruvianum, disease resistance 2940
Nicotiana, disease resistance 1445
Nicotiana repanda, disease resistance 2203
Nicotiana tabacum, disease resistance 2203
Tolyposporium penicillariae, *Pennisetum glaucum*, disease resistance 2794
Tomato mosaic tobamovirus, *Nicotiana*, disease resistance 1445
Tomato spotted wilt tospovirus
Lycopersicon esculentum
disease resistance 1319, 1435, 2940
genetics 1435
Lycopersicon hirsutum
disease resistance 1319, 1435
genetics 1435
Lycopersicon peruvianum
disease resistance 1319, 1435, 2940
genetics 1435
Tomato spotted wilt virus
Lactuca saligna, disease resistance 1432
Lactuca sativa, disease resistance 1432
Nicotiana, disease resistance 1445
Tomato yellow leaf curl bigeminivirus
Lycopersicon cheesmanii, disease resistance 684
Lycopersicon esculentum, disease resistance 684
Lycopersicon peruvianum, disease resistance 684
Lycopersicon pimpinellifolium, disease resistance 684
Toxic soils (*see* Soil toxicity)
Toxic substances
Calluna vulgaris 2429
crops 2771
Erica tetralix 2429
Hordeum vulgare, genetics 523
Jatropha 2883
Molinia caerulea 2429
Sesbania cannabina 2819
Sesbania rostrata 2819
Sesbania speciosa 2819
Triticum aestivum 2776, 2783
Toxosiphon
Latin America 1623
taxonomy 1623
Trace elements
Asparagus 2074
Asparagus filicinus 2074
Asparagus officinalis 2074
Asparagus polyphyllus 2074
Traditional farming
forests 1089
genetic resources 748
grasslands 1052, 1089
Metroxylon 250
Tragopogon
evolution 2497
interspecific hybridization 2497
plant colonization 2497
Tragus berteronianus
Botswana 280-281
seed dormancy 280
seeds, fire resistance 281
Training, USA 2138
Trampling, grasses 2803
Transfer, *Musa* 501
Transport, *Ipomoea batatas*, tissue culture 1470
Treculia africana
breeding 2961
nutritive value 2961
Trees
biotechnology 331
in vitro culture, regeneration 331
Tribolium
cytotaxonomy 1578
South Africa 1578
Trichomes (*see* Plant hairs)
Trichopyrum, numerical taxonomy 2360
Trichosalpinx oxychilos
new species 2462
Venezuela 2462
Trichosanthes dioica
chromosome morphology 1331
chromosome number 1331
sex 1331
Trichosanthes mianyangensis
China 1595
new species 1595
Trifolium 757
Africa 2040
Australia 1986, 2040
breeding 2169
Israel 1786
plant communities 1786
plant introduction 1986, 2040
taxonomy 2370
Trifolium alexandrinum
Egypt 544
evaluation 544
Italy 544
Trifolium alpestre, interspecific hybridization 2173
Trifolium barbigerum, taxonomy 51
Trifolium buckwestiorum, taxonomy 51
Trifolium campestre
seed banks 1791, 1852
seed treatment, germination 1852
Syria 1791, 1852
Trifolium hybridum
Africa 2040
Australia 2040
genetic variation 1001
plant introduction 2040
USA 1001
Trifolium medium, evaluation 2814
Trifolium nigrescens
introgression 1712
unreduced gametes 1712
Trifolium pratense
breeding 1415
collecting missions 177
collections 2816
Czechoslovakia 2517
ecotypes 2517
evaluation 2814, 2816
genetic erosion 177
genetic variation 1001
Germany 2517
history 1415
interspecific hybridization 2173
Italy 177
landraces 177
Poland 2517, 2816
Sweden 1415
tissue culture
cold resistance 336
regeneration 336
USA 1001
Trifolium quartinianum
Africa 2040
Australia 2040
plant introduction 2040
Trifolium reflexum
genetic variation 1001
USA 1001
Trifolium repens
Australia 8
breeding 8
collecting missions 177
development 2813
evaluation 2817
evolution 1712
genetic erosion 177
genetic resources 8
Italy 177
landraces 177
pest resistance, *Hypera postica* 2039
Russia 2817
seeds, air drying 264
Trifolium resupinatum
Australia 2041

Trifolium resupinatum *cont.*
evaluation 2041
Trifolium rueppellianum
Africa 2040
Australia 2040
plant introduction 2040
Trifolium semipilosum, development 2813
Trifolium stellatum
seed banks 1791, 1852
seed treatment, germination 1852
Syria 1791, 1852
Trifolium steudneri
Africa 2040
Australia 2040
plant introduction 2040
Trifolium stoloniferum
endangered species 1001
gene flow 1001
genetic variation 1001
USA 1001
Trifolium subterraneum
Australia 2488
evaluation 2042
genetic diversity, natural selection 2488
Italy 2042
Mediterranean countries 2488
Trifolium tembense
Africa 2040
Australia 2040
plant introduction 2040
Trifolium tomentosum
seed banks 1791, 1852
seed treatment, germination 1852
Syria 1791, 1852
Trigonella foenum-graecum
Egypt 2044
evaluation 2044
Trilobachne cooki, pollen 1992
Tripogon oliganthos
keys 1574
new species 1574
Saudi Arabia 1574
Tripsacum, evolution 1707
Tripsacum pilosum
molecular genetics
alcohol dehydrogenase 1919
archaeology 1919
Tripsacum* × *Zea, intergeneric hybridization 1410, 2158
Tripterygium wilfordii, cell culture, pharmaceutical products 2738
Trisetaria bornmuelleri
Iran 2365
taxonomy 2365
Trisetaria chaudharyana
new species 2365
Saudi Arabia 2365
Triticale
baking quality 615
breeding 2911
collections 1255, 2009
evaluation 1255, 2009
gene pools 6
genetic resources 6
Poland 2009
seeds
germination 1098
storage 1098
Tropics 2911
Triticale × ***Elymus,*** intergeneric hybridization 641
Triticeae
breeding 1391
collections 7
conservation 7
Denmark 7
evaluation 7
gene mapping, conferences 1482
genetic resources 1391
genomes 825
hydroxamic acids 1234
intergeneric hybridization 973
interspecific hybridization 973
molecular genetics, stress 1912
numerical taxonomy 44
restriction fragment length polymorphism, evolution 2711
Sweden 7
taxonomy 825, 973
Triticeae × ***Triticum***
anther culture 635
Triticeae × ***Triticum*** *cont.*
wide hybridization 635
Triticum *(see also Aegilops)*
combining ability, yield components 1405
cytology 1247
disease resistance
barley yellow dwarf luteovirus 1392
Mycosphaerella graminicola 2150
nucleocytoplasmic interaction 2149
Puccinia recondita 2784
evaluation 1242
evolution 971, 1706
gene banks, databases 504
gene pools 6
genetic resources 6, 721, 740
genetics, cold resistance 2918
genomes 824, 1706
heterosis, yield components 1405
interspecific hybridization 971, 1405
Mexico 740
mitochondrial genetics, evolution 1180
molecular genetics
evolution 1913-1914
genomes 1914
numerical taxonomy 1913
polymerase chain reaction
gliadin 448
glutenins 448
polyploidy 639, 971
restriction fragment length polymorphism
evolution 1180
gliadin 448
glutenins 448
Syria 721
taxonomy 824
USA 1242
Triticum abyssinicum, evolution 970
Triticum aestivum
Algeria 176
aluminium 2776, 2783
α-amylase 2327
Australia 2779
baking quality 615
Bangladesh 516
breeding 619, 623-624, 1240, 2911
China 627, 634, 1239-1240, 2328, 2785, 2917
chloroplast genetics, evolution 450
chromosome aberrations 2775
chromosome addition 2920
chromosome morphology 2328
chromosome pairing 969
chromosome translocation 630
collecting missions 176
collections 1395, 1962, 1996
disease resistance
barley yellow dwarf luteovirus 1392, 1403
Cochliobolus sativus 509, 516, 1239
Gibberella zeae 507, 627, 2915
Puccinia graminis 1401
Puccinia recondita 1245
DNA probes, chromosome addition 449
drought resistance 512
embryo culture 1393
cryopreservation 1127
Ethiopia 624, 640, 1461
evaluation 517, 1240, 1242, 1994, 1996, 2785
evolution 969, 2327-2328
France 2141
gene location, *Erysiphe graminis* 642
gene mapping 619
genetic resources 721
genetics
male sterility 2917
Puccinia graminis 1401
height 2785
heterosis, yield components 1395
interspecific hybridization 639-640, 1393, 1401, 1915
Japan 2915
landraces 634, 1994, 2328
manganese 2776
Mexico 627, 1240
molecular genetics
evolution 2710
gliadin 519
glutenins 519
salt tolerance 1912
Triticum aestivum *cont.*
networks 627, 2141
nucleocytoplasmic interaction, fertility 1399
Paraguay 627
pest resistance
Diuraphis noxia 2780
insects 508
Mayetiola destructor 1915
plant embryos
cryopreservation 1126
storage 1126
plant introduction 627
Poland 1996
population genetics 2510
restriction fragment length polymorphism, *Mayetiola destructor* 1915
salt tolerance 621-622, 626, 2920
seed aging
gliadin 266
viability 266
seed moisture, germination 265
seed testing
storage 267
variation 267
seed treatment 2628
Cochliobolus sativus 1460
Gibberella zeae 1460
seeds
air drying 264
germination 1098, 2627, 2629
pathogens 1461
quarantine 1461
storage 1097-1098, 2627, 2629
viability 1097
soil pH 2776
soil toxicity 2779
somaclonal variation 2775
Switzerland 1994
Syria 517, 721
toxic substances 2776, 2783
Tropics 2911
USA 1242
wide hybridization 2910
Yugoslavia 2783
varieties
Kmor 623
Ningchun-16 2917
Wheat Norin PL4 2915
Triticum araraticum
disease resistance, *Puccinia graminis* 1401
genetics
hybrid chlorosis 510
Puccinia graminis 1401
interspecific hybridization 1401
Triticum boeoticum
evaluation 1242
gluten 1238
interspecific hybridization 639
proteins 1238
quality 1238
USA 1242
Triticum carthlicum, unreduced gametes 643
Triticum compactum
molecular genetics
gliadin 519
glutenins 519
Triticum dicoccoides
amino acids 513
chlorophyll *a/b* binding protein 2772
circadian rhythm 2772
disease resistance, *Puccinia striiformis* 2778
distribution 45
ecotypes 45
genetic variation
amylases 2509
gliadin 1738-1739
glutenins 1738-1739
isoenzymes 2509
genetics, hybrid chlorosis 510
gluten 1238
heat production 505
inflorescences 45
Israel 45, 505, 513, 2509, 2712, 2772-2773, 2778
Jordan 1738-1739, 2712
Kenya 2778
photosynthesis 506
proteins 1238

Triticum dicoccoides *cont.*
quality 1238
random amplified polymorphic DNA 2712
salt tolerance 2773
Syria 2712
Turkey 1738-1739, 2712, 2772
USA 2712
Triticum dicoccum
chromosome aberrations 2775
disease resistance, *Puccinia recondita* 1998
drought resistance 1244
evaluation 515
protein content 1244
somaclonal variation 2775
stress 515
Syria 515, 1244
Triticum durum
Algeria 176
archaeology 2485
baking quality 615
Bolivia 1964
breeding 624
chromosome aberrations 2775
collecting missions 176
collections 1241, 1243, 1997
combining ability, yield components 1405
disease resistance
Puccinia graminis 1397
Puccinia recondita 1998
Puccinia striiformis 2777
drought resistance 1237, 2781
Egypt 2781
Ethiopia 624, 640, 2777, 2781
evaluation 511, 514, 517, 1236, 1241-1243, 1246, 1995, 1997, 2774, 2782
evolution 970
gene banks 1243, 1964, 2757
genetics, *Puccinia graminis* 1397
gliadin 2757
Greece 2781
heterosis, yield components 1405
India 638
interspecific hybridization 638-640, 1405
Israel 2712
Italy 2757
Jordan 514, 1236-1237, 2712, 2781
Kazakhstan 1241
landraces 514, 1236-1237, 1964, 1995, 2757, 2782
Mediterranean countries 2485
nucleocytoplasmic interaction, fertility 1399-1400
Poland 1997
Portugal 1995
random amplified polymorphic DNA 2712
salt tolerance 621
seed testing
storage 267
variation 267
seeds, air drying 264
somaclonal variation 2775
Syria 511, 517, 1243, 1995, 2712, 2774, 2782
Tunisia 1246
Turkey 2712
USA 1242, 2712
water balance 2485
Triticum macha
molecular genetics
gliadin 519
glutenins 519
Triticum monococcum
α-amylase 2327
chemotaxonomy 2327
chromosome aberrations 2775
chromosome banding 1990
cytology 1402
disease resistance, *Puccinia recondita* 1998
evolution 1706
gene location, gliadin 518
genomes 1706
interspecific hybridization 639
molecular genetics, genomes 1916
random amplified polymorphic DNA 451
somaclonal variation 2775
Triticum persicum
breeding 623
evolution 970
Triticum polonicum
conservation 1531
Cuba 1531
evolution 970
landraces, history 1531
Triticum spelta
molecular genetics
gliadin 519
glutenins 519
Triticum sphaerococcum
molecular genetics
gliadin 519
glutenins 519
Triticum timonovum, interspecific hybridization 1394
Triticum timopheevii
disease resistance, *Puccinia recondita* 1998
embryo culture 1393
evolution 1706
genetics, hybrid chlorosis 510
genomes 1706
India 638
interspecific hybridization 638, 1393-1394
Triticum turanicum, evolution 970
Triticum turgidum
anther culture, regeneration 1863
chromosome banding 1990
evolution 970, 1706
genomes 1706
Triticum urartu
α-amylase 2327
chemotaxonomy 2327
evaluation 1242
evolution 1706
genomes 824, 1706
gluten 1238
proteins 1238
quality 1238
random amplified polymorphic DNA 451
taxonomy 824
USA 1242
Triticum vavilovii
molecular genetics
gliadin 519
glutenins 519
Triticum zhukovskyi
evolution 1706
genomes 1706
Triticum* × *Aegilops
disease resistance, *Puccinia striiformis* 631
intergeneric hybridization 622, 628-629, 631-633, 642-644, 824, 1399-1400, 2154, 2157, 2912-2913, 2918
interspecific hybridization 1398
Triticum* × *Agropyron, intergeneric hybridization 616, 620, 641, 1416, 2914, 2919
Triticum* × *Elymus, intergeneric hybridization 621, 625, 636-637, 641, 662, 1396, 1403-1404, 2155-2156, 2916, 2920
Triticum* × *Hordeum
disease resistance, *Puccinia recondita* 651
intergeneric hybridization 615, 617, 645, 651, 1179, 1409, 2150, 2152, 2154
Triticum* × *Lolium, intergeneric hybridization 2154
Triticum* × *Psathyrostachys, intergeneric hybridization 1406
Triticum* × *Secale (*see also* Triticale)
chromosome addition, *Heterodera avenae* 625
intergeneric hybridization 618, 625, 634, 969, 1179, 2151, 2154, 2912, 2921
recombination, *Heterodera avenae* 625
somaclonal variation, *Heterodera avenae* 625
***Triticum* × Triticeae,** wide hybridization 635
Tropical forests
Africa 798
Asia 798
climatic change 772
conservation 796, 798-799, 2290-2291, 2293-2295, 2300
books 1491
Tropical forests *cont.*
diversity 798
environmental degradation 2291
books 1493
Equatorial Guinea 2294
Ghana 2300
Latin America 798
minor forest products, books 1491
Panama 799
policy 2291
resource management 799
São Tomé and Príncipe 2295
sustainability 2300
Tropical fruits
conservation 20
genetic erosion 20
Tropics
Allium 2145
Allium ascalonicum 2145
Allium cepa 2145
Amaranthus 2911
Cleome gynandra 244
forest trees 1749, 2526
rain forests 246
seed banks 1781
triticale 2911
Triticum aestivum 2911
Trypsin inhibitors
Glycine gracilis, genetics 553
Glycine soja, genetics 553
Vigna unguiculata 566
Tryptophan, *Hordeum vulgare* 1252
Tsuga longibracteata, cytotaxonomy 1653
Tuberaria commutata
chromosome number 1565
polyploidy 1565
Spain 1565
Tuberaria conspicua
chromosome number 1565
polyploidy 1565
Spain 1565
Tuberaria guttata
chromosome number 1565
polyploidy 1565
Spain 1565
Tuberolabium quisumbingii
Asia 118
taxonomy 118
Tubers
Dioscorea abyssinica, tissue culture 356
Dioscorea alata, tissue culture 356
Solanum, in vitro culture 1134
Solanum chacoense 1423
Solanum tuberosum 1423
in vitro culture 1134
Tulipa, flowering 601
Tunisia
fodder legumes 1271
grain legumes 768
Stipa tunetana 2362
Triticum durum 1246
Turkey
Abies alba 2417
Abies bornmuelleriana 2417
Abies equi-trojani 2417
Abies nordmanniana 2417
centres of diversity 2498
Cicer arietinum 1297, 2490
Corydalis henrikii 930
fodder legumes 762
grain legumes 762
grasslands 200
Hordeum spontaneum 2772
Hyacinthella 1685
Hyacinthella lazulina 1685
Juglans regia 2853
Onobrychis 2045
Onobrychis arenaria 2045
Onobrychis transcaucasica 2045
Onobrychis viciifolia 2045
Ornithogalum improbum 943
Ornithogalum pascheanum 942
Polygonum karacae 922
Scilla dedea 941
Scilla pruinosa 941
Sedum 820
Triticum dicoccoides 1738-1739, 2712, 2772
Triticum durum 2712
Turkmenistan, *Kochia scoparia* 1269, 2032

Turks and Caicos Islands, Orchidaceae 1688
Tylophora indica, tissue culture, regeneration 2696
Uganda
Arachis hypogaea 1030-1031
Cajanus cajan 1030-1031
Eleusine indica 1030
Pennisetum polystachion 1030
Pennisetum purpureum 1030
Pisum sativum 1030
Sorghum bicolor 1030
Sorghum halepense 1030
Vigna unguiculata 1030-1031
Ugni molinae
characterization 590
Chile 590
UK
Acer campestre 2879
Acer pseudoplatanus 2304
Arabidopsis thaliana 2750
Aralia elata 2879
Arbutus menziesii 2879
Betula papyrifera 2879
botanical gardens 2753
Cercidiphyllum japonicum 2879
Cercis siliquastrum 2879
cereals 497
conservation 777
endangered species 2326
Erica scoparia 2879
Eucalyptus perriniana 2879
farm woodlands 193
fodder plants 754
forest trees 2292
gene banks 1552
grasses 754
grasslands 230, 232
Hippophae rhamnoides 2879
Juglans ailantifolia 2879
Juniperus recurva 2879
Orchidaceae 1539
Orchis ustulata 946
ornamental ferns 2769
palaeoecology 963-965
Papaver bracteatum 954
Papaver orientale 954
Papaver pseudo-orientale 954
Pinus sylvestris 157
Pisum sativum 497
Pteridophyta 2306
Rhus trichocarpa 2879
Rosa 1226
Rubus bloxamii 867
seed banks 2626
Senecio cambrensis 988
Senecio squalidus 988
Senecio vulgaris 988
Sophora microphylla 2879
Sorbus aria 2879
woodlands 2392
Ukraine
Anemone narcissiflora 1755
crops 2745
Cytisus pineticola 107
flora 2745
forests 1782
Goodyera repens 2460
grasses 1800
grasslands 199, 212-213, 215, 1056, 1782, 1799
Juglans regia 1222
Polygonum aviculare 1698
Polygonum bistorta 1698
Polygonum hydropiper 1698
Polygonum lapathifolium 1698
Polygonum minus 1698
Polygonum persicaria 1698
Puccinellia 61
Puccinellia bilykiana 61
Puccinellia brachylepis 61
Puccinellia distans 61
Puccinellia fominii 61
Puccinellia hauptiana 61
Puccinellia limosa 61
Puccinellia nuttalliana 61
Puccinellia poecilantha 61
Puccinellia syvaschica 61
Puccinellia tenuissima 61
woodlands 1056
Ulex gallii, taxonomy 892
Ultraviolet radiation
Glycine max 2049
Glycine soja 2049
Umbelliferae, taxonomy, databases 2348
Undaria pinnatifida
cell culture, cryopreservation 2701
in vitro culture, cryopreservation 1902
Unreduced gametes
Aegilops squarrosa 643
Aegilops × *Triticum* 633, 1398
Solanum chacoense 2179
Solanum infundibuliform 2179
Solanum tuberosum 2179
Trifolium nigrescens 1712
Triticum carthlicum 643
Urochloa mosambicensis
Botswana 280
seed dormancy 280
Urochloa trichopus
Botswana 281
seeds, fire resistance 281
Uromyces appendiculatus
Macroptilium atropurpureum, disease resistance 2820
Phaseolus vulgaris
disease resistance 557, 1293, 2056
random amplified polymorphic DNA 1931
USA
Abutilon theophrasti 1758
Achillea lanulosa 1754
Aegilops 1242
Aegilops sharonensis 1242
Aegilops squarrosa 1242
Agave 2110
Arabidopsis thaliana 2751
Arachis hypogaea 2195
Arisaema dracontium 2446
Arisaema triphyllum 2446
Aristida beyrichiana 1579
Aristida stricta 1579
Artemisia tridentata 1789, 2802
Asclepias exaltata 2524
Asimina 2097
Asimina triloba 2097
Astragalus cremnophylax 1624
Averrhoa carambola 716
Beckmannia syzigachne 2809
Beta vulgaris, sugarbeet 2200
biotechnology 28
Bonamia ovalifolia 936
breeders' rights 2318
Bromus tectorum 998-1000
Calystegia longipes 936
Carex bigelowii 2514, 2516
Cassia mariliandica 2818
Chaenomeles speciosa 2087
Clarkia concinna 163
Cleistes bifaria 116
Cleistes divaricata 116
Clethra alnifolia 599
conservation 777, 781, 1527-1528
crops 1964
Cucumis melo 1320
Cucumis sativus 584, 1325, 1327
Cupressus bakeri 103
Dasylirion 2110
databases 1569, 1983
Elymus lanceolatus 2171, 2808
endangered species 32, 2310, 2326, 2342
Eragrostis lehmanniana 234
Eschscholzia minutiflora 114
ferns 2963
Festuca arundinacea 2807
Filipendula rubra 995
forests 1073
Fragaria 1976
Fragaria ananassa 1761, 2092
Fragaria chiloensis 2092
Fragaria vesca 1039
Fragaria virginiana 1039, 1761, 2092
gene banks 1961
genetic resources 28, 611
Glycine 499
Glycine max 178, 548, 1219, 2050
Glycine soja 1219
Gossypium arboreum 2868
Gossypium hirsutum 2206
grain legumes 2175
grasslands 201, 227, 234, 743, 1789, 1792, 1804-1805, 2579, 2590, 2592
USA *cont.*
grasslands *cont.*
distribution 53
Helianthus 2193
Helianthus annuus 2101, 2193
Helianthus tuberosus 2835
Hesperaloe 2110
Hordeum bogdani 712
Hordeum brachyantherum 712, 1572
Hordeum brevisubulatum 712
Hordeum bulbosum 712
Hordeum chilense 712
Hordeum comosum 712
Hordeum depressum 1572
Hordeum jubatum 712
Hordeum marinum 712
Hordeum murinum 712
Hordeum stenostachys 712
Hypericum gentianoides 1758
Ilex 1661
Impatiens capensis 1756, 1758
industrial crops 2187
intellectual property rights 2317, 2321
international cooperation 1766
Ipomoea cardiophylla 936
Ipomoea tenuiloba 936
Ipomoea thurberi 936
Ipomopsis aggregata 1024
Isoëtes boomii 1704
Isoëtes caroliniana 1704
Isoëtes georgiana 1704
Lespedeza leptostachya 1002
Limnanthes floccosa 1748
Lupinus texensis 2962
Luzula parviflora 2514-2515
Magnolia biondii 1365
Mentha 1981
Microseris bigelovii 1009, 1205
Microstegium vimineum 1813
nature conservation 241
Nolina 2110
Oenothera grandiflora 2124
Oryza sativa 1973
Pachysandra procumbens 1663
palaeoecology 962
Phaseolus vulgaris 2176
Pinus 141, 2337
Pinus attenuata 2731
Pinus echinata 1203
Pinus elliottii 1203
Pinus foisyi 141
Pinus muricata 2731
Pinus palustris 1203
Pinus ponderosa 914, 1752
Pinus radiata 2731
Pinus taeda 1203
Plantago aristata 1758
Platanthera integrilabia 1858
Platanthera pallida 949
Platanthera praeclara 2546
Poa annua 996
policy 2317
politics 2321
Potentilla morefieldii 1677
Prosopis glandulosa 1078
Quercus arizonica 2655
Quercus emoryi 2655
Rhododendron 106, 1979
Rhododendron albiflorum 1664
Rhus copallina 1007
Rhus glabra 1007
Rhus michauxii 1007
Ribes binominatum 152
Ribes lobbii 152
Ribes marshallii 152
Ribes roezlii 152
Ribes viburnifolium 82
Saccharum 1442, 2198
Saccharum officinarum 701, 2198
Saccharum sinense 701
Saccharum spontaneum 701
Sorghum bicolor 1216, 1848
Taxus brevifolia 2305
Thymophylla tephroleuca 2663
training 2138
Trifolium hybridum 1001
Trifolium pratense 1001
Trifolium reflexum 1001
Trifolium stoloniferum 1001
Triticum 1242
Triticum aestivum 1242

USA *cont.*
Triticum boeoticum 1242
Triticum dicoccoides 2712
Triticum durum 1242, 2712
Triticum urartu 1242
Viola 1672
Viola frank-smithii 1672
Viola lithion 1672
weeds 1727
woodlands 1077
Yucca 2110
Zea mays 459, 498, 1969, 2010, 2351, 2792
Zingiber officinale 2216
Ustilaginoidea virens, *Oryza sativa,* disease resistance 2798
Ustilago segetum
Avena abyssinica, disease resistance 1254
Avena barbata, disease resistance 1254
Avena byzantina, disease resistance 1254
Avena nuda, disease resistance 1254
Avena sativa, disease resistance 1253-1254
Utilization
Amelanchier ainifolia 2947
Arachis hypogaea 2195
Argania spinosa 699
Avena 2554
Beta vulgaris, sugarbeet 2200
Carya cathayensis 875
Cocos nucifera, books 2244
collections 495
Corylus cornuta 2947
crops, collections 2755
Cucumis melo 2605
dye plants 2964
Fagopyrum esculentum 2283
fatty oil plants 2954
forests 2976
genetic resources 1, 2148
grain legumes 2175
Helianthus 2193
Helianthus annuus 2193
industrial crops 2187
Lepista nuda 710
Lepista saeva 710
Lepista sordida 710
Metroxylon sagu 2210
Palmae, books 1494
Phaseolus vulgaris 2176
Pleurotus ostreatoroseus 709
Prunus pensylvanica 2947
Prunus virginiana 2947
Ribes 2947
Saccharum 2198
Saccharum officinarum 2198
Secale cereale, germplasm 653
Shepherdia argentea 2947
Vaccinium myrtilloides 2947
Vaccinium vitis-idaea 2947
Viburnum trilobum 2947
Vigna unguiculata 2603
wild relatives 2907-2908
Zea diploperennis 2253
Uzbekistan, *Kochia scoparia* 1269, 2032
Vaccinium
breeding 2949-2950
catalogues 2950
Estonia 2949
Russia 2950
tissue culture, regeneration 371
Vaccinium arboreum, interspecific hybridization 2190
Vaccinium ashei, restriction fragment length polymorphism 1197
Vaccinium calycinum
Hawaii 2384
taxonomy 2384
Vaccinium corymbosum
breeding 2949
Estonia 2949
interspecific hybridization 2190
restriction fragment length polymorphism 1197
tissue culture, regeneration 371
Vaccinium darrowii, interspecific hybridization 2190
Vaccinium dentatum
Hawaii 2384
taxonomy 2384
Vaccinium elliottii, interspecific hybridization 2190
Vaccinium hagerupii
China 1600
new species 1600
Vaccinium macrocarpon
breeding 2949
Estonia 2949
Vaccinium myrtilloides
Canada 2947
utilization 2947
Vaccinium oxycoccus
breeding 2949
Estonia 2949
Vaccinium reticulatum
Hawaii 2384
taxonomy 2384
Vaccinium uliginosum
breeding 2949
Estonia 2949
Vaccinium vitis-idaea
breeding 2949
Canada 2947
Estonia 2949
utilization 2947
Vanilla walkeriae
endangered species 440
India 440
tissue culture
regeneration 440
storage 440
Vanuatu
forests 247
medicinal plants 1836, 2620
Variation
Triticum aestivum, seed testing 267
Triticum durum, seed testing 267
Vigna unguiculata 181
Varieties, *Ribes uva-crispa* 1335
Variety classification, *Cucumis sativus* 1330
Variety trials, *Oryza sativa* 532
Vascular system
Hibiscus 108
Hibiscus rosa-sinensis 108
Vavilov, N. I., biographies 2246-2248
Vegetables
Canary Islands 2561
China 750
collecting missions 175, 1771, 2551, 2560-2561
conservation 1771
gene banks 1212
India 175
Indonesia 1212
Italy 2551
landraces 2561
Malaysia 1771
Philippines 1771
seeds
germination 2648
storage 1212, 2648
South East Asia 1771
Spain 2560
surveys 750
Vegetative propagation
Caryopteris incanca 411
Dyssodia pentacheta, regeneration 443
Phytolacca dodecandra 2697
Vellozia kolbekii
Brazil 915
new species 915
Venezuela
Acacia aristiguietana 891
Ananas lucidus 2096
Calathea liesneri 2472
Catasetum 945
Coccoloba yaracuyensis 1627
Doliocarpus carnevaliorum 1705
Doliocarpus dentatus 1705
Doliocarpus hispidobaccatus 1705
Epidendrum caurense 950
Epidendrum dichaeoides 950
Epidendrum nuriense 950
Eriochloa stevensii 831
forests 23
Hedyosmum intermedium 2414
Hedyosmum tepuiense 2414
Licania pittieri 882
Lonchocarpus crassispermis 95
Lonchocarpus imatacensis 95
Lonchocarpus tubicalyx 95
Venezuela *cont.*
Paspalum atabapense 843
Paspalum tillettii 843
Pleurothallis erebatensis 2462
Podocarpus acuminatus 1652
Roupala barnettiae 1619
Trichosalpinx oxychilos 2462
Venturia inaequalis
Malus floribunda, disease resistance 587
Malus pumila, disease resistance 587
Verticillium dahliae
Solanum torvum, disease resistance 2932
Solanum tuberosum, disease resistance 2932
Verticordia
Australia 895
keys 895
new taxa 895
taxonomy 895
Viability
Allium cepa, seed treatment 259
Arachis hypogaea
seed treatment 259, 314
seeds 260
Artocarpus heterophyllus, recalcitrant seeds 309
Brassica napus, seed aging 310
Camellia sinensis, recalcitrant seeds 315
Cicer arietinum, seed treatment 259
Crotalaria saltiana, pollen 388
Dimocarpus longan, recalcitrant seeds 306
Disa uniflora, seeds 1117
Helianthus annuus
seed treatment 259
seeds 260, 311
Hordeum vulgare, seeds 1097
Lactuca sativa, seeds 298
Landolphia kirkii, recalcitrant seeds 319-320
Litchi chinensis, recalcitrant seeds 306
Mangifera indica, recalcitrant seeds 306
Pisum sativum, seeds 260
Ranunculus acris, seed treatment 1861
Ranunculus sceleratus, seed treatment 1861
Secale cereale, seeds 268
seeds 1091
Stipa neesiana, seed banks 1103
Triticum aestivum
seed aging 266
seeds 1097
Vigna unguiculata, seeds 2647
Zea mays
seed testing 1099
seed treatment 259
seeds 1847
Viburnum
chromosome morphology 2439
chromosome number 2439
cytotaxonomy 2439
Viburnum trilobum
Canada 2947
utilization 2947
Vicia 757
albumins 855
chemotaxonomy 855
evaluation 1273
molecular genetics, taxonomy 1930
taxonomy 844
West Asia 1273
Vicia altissima
chromosome morphology 2043
Italy 2043
Vicia benghalensis
chromosome morphology 2043
Italy 2043
Vicia faba
breeding 2174
collections 1287, 2047
Cyprus 555
cytology 2052
DNA 2052
Egypt 766
evaluation 555, 1287, 2046-2047
genetic resources 721, 755, 759, 766
genetic variation, isoenzymes 1291
Iran 759
landraces 766
Mediterranean countries 755
molecular genetics, taxonomy 1930

Vicia faba *cont.*
Morocco 1287
seed treatment, vigour 261
Syria 721, 2047
West Asia 755
Vicia galilea
cytology 2052
DNA 2052
Vicia hyaeniscyamus
cytology 2052
DNA 2052
Vicia johannis
cytology 2052
DNA 2052
Vicia melanops
cytology 2052
DNA 2052
Vicia onobrychioides
chromosome morphology 2043
Italy 2043
Vicia pannonica
seeds
germination 289
storage 289
Vicia sativa
breeding, shedding 2925
seeds
germination 289
storage 289
Vicia villosa
China 1274
chromosome morphology 2043
Italy 2043
salt tolerance 1274
seeds
germination 289
storage 289
Vietnam
Desmodium 2559
Pueraria 2559
Vigna
Africa 2928
Asia 2928
biotechnology 2707
Chad 173, 182
chloroplast genetics, evolution 2716
collecting missions 173, 180, 182, 1770, 2550
Cuba 2376
cytology 2929
evaluation 2821
gene banks 180, 182
genetic resources 2707
genetic transformation 2717
genetic variation 2376
isoenzymes 2522
India 2707, 2821
interspecific hybridization 180, 2717, 2928-2929
keys 2376
Lesotho 173, 182
Namibia 2550
Nigeria 180, 182
pest resistance, insects 2717
restriction fragment length polymorphism, taxonomy 1932
Somalia 173, 182
Swaziland 173, 182
Tanzania 173, 182
taxonomy 2376
Thailand 1770
wide hybridization, reviews 673
Zimbabwe 173, 182
Vigna acontifolia, tissue culture, regeneration 353
Vigna ambacensis
genetic distance 564
globulins 564
Vigna angularis, disease resistance, *Cercospora canescens* 1306
Vigna glabrescens
Asia 1715
evolution 1715
Vigna gracilis
genetic distance 564
globulins 564
nutritive value 565
Vigna kirkii
genetic distance 564
globulins 564
Vigna lanceolata
Australia 676
evaluation 676
gene banks 676
hybridization 676
Vigna mungo
Asia 1715
cytology 1560
evaluation 567
evolution 1560, 1715
hard seeds 568
pest resistance, *Callosobruchus maculatus* 2063
taxonomy 1560
Vigna oblongifolia
genetic distance 564
globulins 564
nutritive value 565
Vigna radiata
Asia 1303, 1305, 1715, 1732
Australia 676
centres of diversity 1303, 1732
China 1286, 1302
cytology 1560
disease resistance
Cercospora canescens 2829
Erysiphe polygoni 2829
mung bean yellow vein mosaic virus 2829
yellow mosaic geminivirus 1304
distribution 1305, 2375
evaluation 567, 676, 1286, 1305, 2375
evolution 1560, 1715
gene banks 676
genetic distance 564
genetic variation 1302
globulins 564
heritability 1302
hybridization 676
India 1304, 2375, 2829
Indochina 1586
landraces 1732
pest resistance 1305
Callosobruchus chinensis 1303, 2177
Callosobruchus maculatus 1303, 2063, 2177
insects 2829
South East Asia 2375
taxonomy 1303, 1560, 1586
Thailand 1305, 1586, 2177
wide hybridization 2177
Vigna subterranea
Chad 173
collecting missions 173, 2550
Lesotho 173
Namibia 2550
Somalia 173
Swaziland 173
Tanzania 173
Zimbabwe 173
Vigna trilobata, interspecific hybridization 2928
Vigna umbellata
Asia 1715
China 1286
evaluation 1286
evolution 1715
Vigna unguiculata
Africa 728, 2501
albumins 563
Asia 2501
Callosobruchus maculatus 566
Chad 173, 182
China 1286
chloroplast genetics, domestication 1184
collecting missions 173, 180-182, 1030-1031
Cuba 2376
disease resistance
Erysiphe polygoni 1301
Macrophomina phaseolina 2062
embryology 674
evaluation 181, 1286
fatty acids 566
gene banks 180, 182
genetic distance 564
genetic resources 728
genetic transformation 2717
genetic variation 2376
isoenzymes 2501, 2522
globulins 563-564
Vigna unguiculata *cont.*
incompatibility 675
interspecific hybridization 180, 674-675, 2717, 2928
Italy 181
keys 2374, 2376
Lesotho 173, 182
Nigeria 180, 182, 1184, 2603
nutritive value 565
pest resistance, *Aphis craccivora* 562
plant embryos, cryopreservation 1096
proteins 563
restriction fragment length polymorphism, taxonomy 1932
seed treatment, *Pseudomonas syringae* 1467
seeds
cryopreservation 1096
germination 1107
imbibitional injury 1108
storage 1107, 2647
viability 2647
water balance 1108
Somalia 173, 182
South Africa 2374
South America 2501
storage 2603
Swaziland 173, 182
Tanzania 173, 182
taxonomy 2374, 2376
techniques 2062
trypsin inhibitors 566
Uganda 1030-1031
utilization 2603
variation 181
Zimbabwe 173, 182
Vigna vexillata
Australia 676
embryology 674
evaluation 567, 676
gene banks 676
genetic distance 564
globulins 564
hybridization 676
incompatibility 675
interspecific hybridization 674-675
nutritive value 565
Vigna wittei
genetic distance 564
globulins 564
Vigour
Allium cepa, seed treatment 259
Arachis hypogaea, seed treatment 259, 314
Brassica, pekinensis, seed treatment 295
Brassica napus, seed aging 310
Cicer arietinum, seed treatment 259, 713
crops, seeds 263
Glycine max, seed treatment 261
Helianthus angustifolius, nucleocytoplasmic interaction 693
Helianthus annuus
nucleocytoplasmic interaction 693
seed treatment 259
Helianthus divaricatus, nucleocytoplasmic interaction 693
Helianthus grosseserratus, nucleocytoplasmic interaction 693
Helianthus maximiliani, nucleocytoplasmic interaction 693
Helianthus mollis, nucleocytoplasmic interaction 693
Lupinus albus, seed treatment 261
Secale cereale, seeds 268
Sorghum bicolor
seed anatomy 273
seed quality 273
seeds 272, 274
Vicia faba, seed treatment 261
Zea mays, seed treatment 259
Vindoline, *Catharanthus roseus*, tissue culture 1209
Viola
China 1668
keys 1672
new taxa 1668
USA 1672
Viola adenothrix
chromosome aberrations 2125
interspecific hybridization 2125
Taiwan 2125

Viola arcuata
chromosome aberrations 2125
interspecific hybridization 2125
Taiwan 2125
Viola frank-smithii
new species 1672
USA 1672
Viola lithion
new species 1672
USA 1672
Viruses
Brassica campestris, turnip rape, disease resistance 2855
Brassica juncea, disease resistance 2855
Brassica napus, rape 2855
Citrullus colocynthis, disease resistance 582
Citrullus lanatus, disease resistance 582
crops, seeds 1459
Cucumis melo, disease resistance 579-580
Cucurbita ecuadorensis, disease resistance 691
Cucurbita maxima, disease resistance 691
seed testing 1451
tissue culture 2966
Vitaceae, disease resistance, *Xanthomonas campestris* 1337
Vitis
disease resistance
Coniella diplodiella 1338
Elsinoe ampelina 1338
Plasmopara viticola 1338
Xanthomonas campestris 1337
Vitis labrusca, disease resistance, *Xanthomonas campestris* 1337
Vitis riparia
isoenzymes 1004
population genetics 1004
Vitis rotundifolia
embryo culture, regeneration 1143
ovule culture, regeneration 1143
Vitis rupestris, tissue culture, regeneration 373
Vitis vinifera
disease resistance
Coniella diplodiella 1338
Elsinoe ampelina 1338
Plasmopara viticola 1338
Xanthomonas campestris 1337
isoenzymes 1004
micropropagation 332
pollen
cryopreservation 374
storage 374
population genetics 1004
Vitrification 327
Asparagus officinalis, tissue culture 363
in vitro culture 324
Vittadinia muelleri
Australia 2661
seeds, storage 2661
Vulpia fasciculata, chromosome banding 1277
Vulpia* × *Festuca, intergeneric hybridization 1277
Wahlenbergia stricta
Australia 2661
seeds, storage 2661
Water balance
Enarthrocarpus strangulatus, seeds 287
Filago desertorum, seeds 287
Hordeum vulgare 2485
Landolphia kirkii, recalcitrant seeds 320
Reboudia pinnata, seeds 287
Schismus arabicus, seeds 287
Triticum durum 2485
Vigna unguiculata, seeds 1108
Waterlogging, *Oryza sativa* 2023
Weeds
evolution 1727
USA 1727
Weinmannia racemosa
keys 1650
New Zealand 1650
taxonomy 1650
Weinmannia silvicola
keys 1650
New Zealand 1650
taxonomy 1650
Welsh Plant Breeding Station, organizations 754
West Africa
Abelmoschus caillei 151
Abelmoschus esculentus 151
conservation 776
Ficus 1082
forests 247
Oryza sativa 2023
West Asia
Avena sterilis 2007
Cicer arietinum 755
crops 1504
fodder legumes 755, 1273
grasses 724
legumes 724
Lens culinaris 755
Medicago 1273
Pisum sativum 755
Vicia 1273
Vicia faba 755
Wheat streak mosaic rymovirus
Elymus × *Triticum*
disease resistance 2155
gene location 2155
Wide hybridization
Aegilops caudata 164
cereals 2910
Cucumis sativus 77
Cymbopogon martinii 608
Elymus lanceolatus 2171
Oryza sativa 2910
Pennisetum glaucum 2910
Triticeae × *Triticum* 635
Triticum aestivum 2910
Triticum × Triticeae 635
Vigna, reviews 673
Vigna radiata 2177
Zea mays 2910
Wild plants
Africa 2625
Andaman and Nicobar Islands 1842
Australia 1051
beverages 245
Brazil 992
Canada 960, 2980
centres of diversity 992
checklists 135, 2308-2309
China 245
collecting missions 1051, 1775, 2567
conservation 960, 1541-1542, 2308-2309
Costa Rica 1567
databases, Italy 2482
distribution 960, 2625
Italy 2482
edible species 2625
endangered species 960, 1541-1542, 1812, 2277, 2308-2309
Italy 2482
ethnobotany 245, 734-735, 1841-1842
books 2980
Europe 1541-1542, 2308-2309
India 735, 1775, 1842
Kenya 1841
keys 1567
Malaysia 610
multivariate analysis 2277
New Zealand 734, 2277
nutritive value, books 2980
Oman 2567
plant competition 1812
plant composition 610
pollination 172
Reunion 1812
senescence 172
South Africa 135
taxonomy 136, 1567
books 2980
Wild relatives
Brassica 1347
Corchorus macropterus 880
cytology 2908
Lolium perenne 1276
Solanum tuberosum 1428
utilization 2907-2908
Williams, R. S., biographies 1028
Withania somnifera, tissue culture, regeneration 434
Wood anatomy
Chloranthaceae 2421
Chloranthus erectus 2421
Wood anatomy *cont.*
Chloranthus japonicus 2421
Chloranthus multistachys 2421
Chloranthus serratus 2421
Piperaceae 2421
Rosaceae 2334
Wood properties, *Aquilaria agallocha* 2876
Woodlands
conservation 2596
deforestation 2392
Germany 2596
inventories 2392
plant communities 1056, 2596
diversity 1077
grazing 1055
plant succession 1056
fires 1077
subsistence farming 2617
sustainability 2617
UK 2392
Ukraine 1056
USA 1077
Zimbabwe 2617
Woody plants
Australia 2207
Chile 1080
China 2992
economics, minor forest products 2207
fuelwood 1080
keys 2992
taxonomy, books 2992
timber 1080
Xanthium sibiricum
China 2864
oils 2864
Xanthomonas, *Brassica*, disease resistance 2072
Xanthomonas campestris
Lycopersicon hirsutum 1317
Lycopersicon peruvianum 1317
Lycopersicon pimpinellifolium 1317
Manihot esculenta, disease resistance 2930
Manihot glaziovii, disease resistance 2930
Phaseolus vulgaris, disease resistance 557, 1294
Vitaceae, disease resistance 1337
Vitis, disease resistance 1337
Vitis labrusca, disease resistance 1337
Vitis vinifera, disease resistance 1337
Xanthomonas oryzae
Oryza minuta
genetics 2167
pest resistance 2167
Oryza sativa
disease resistance 536, 2029
genetics 2167
pest resistance 2167
Xanthomonas populi
Populus
disease resistance 598, 1361
in vitro culture 598
tissue culture 1361
Populus tremula
disease resistance 598
in vitro culture 598
Xanthosoma sagittifolium
fertilization 2539
flowering 2539
fruits 2539
tissue culture, regeneration, flowering 357
Yellow mosaic geminivirus, *Vigna radiata*, disease resistance 1304
Yemen
flora 2343
fodder legumes 763
grain legumes 763
Yield components
Lupinus albus, combining ability 667
Triticum
combining ability 1405
heterosis 1405
Triticum aestivum, heterosis 1395
Triticum durum
combining ability 1405
heterosis 1405
Zea mays, genetic variation 1740
Yucca
fibres 2110

Yucca *cont.*
Mexico 2110
USA 2110
Yucca gloriosa, *in vitro* culture, steroids 2735
Yugoslavia
Capsicum annuum 2945
Capsicum chinense 2945
Capsicum frutescens 2945
Corydalis zetterlundi 930
Iris illyrica 937
Iris pallida 937
Iris pseudopallida 937
Juglans regia 1344
Prunus persica 2288
Sorghum bicolor 1258
Thalictrum minus 2474
Triticum aestivum 2783
Zabelia, taxonomy 901
Zaire, forest trees 1071
Zamia fischeri, tissue culture, regeneration 400
Zamia furfuracea, tissue culture, regeneration 400
Zamia pumila, tissue culture, regeneration 400
Zea
Chionachne, genetic distance, isoenzymes 1993
chromosome morphology 1991
Coix, genetic distance, isoenzymes 1993
domestication 2487
evolution 1707-1708
gene location, glumes 2159
genetics, glumes 2159
India 1991
interspecific hybridization 656, 2159
molecular genetics
alcohol dehydrogenase 1919
archaeology 1919
evolution 2714
Zea mays, genetic distance, isoenzymes 1993
Zea diploperennis
in situ conservation 2253
Mexico 2253
pollen 1992
utilization 2253
Zea luxurians, pollen 1992
Zea mays 137
accessory chromosomes 2011
Argentina 2350
biosafety 2709
biotechnology 742
Brazil 655, 2013
breeding 655
Chad 173
China 751, 2014
chromosome morphology 1991, 2012
collecting missions 173-174
combining ability 654
cytoplasmic male sterility 2013
databases 2010
Developing Countries 742
disease resistance, maize dwarf mosaic potyvirus 1256, 2160
domestication 2487
ecotypes 2349, 2351
evaluation 174, 2014, 2791-2792
evolution 1707-1708
gene banks 498, 1969
gene location, glumes 2159
genetic resources 751
genetic variation 655
yield components 1740
genetics, glumes 2159
heterosis 654
India 1991, 2011-2012
interspecific hybridization 656, 2159
Latin America 2351
Lesotho 173
Mexico 2791-2792
molecular genetics
alcohol dehydrogenase 1919
archaeology 1919
evolution 2714
multivariate analysis 2349
Netherlands 2709
Nigeria 2349
numerical taxonomy 2350
pollen 1992
Zea mays *cont.*
pollen *cont.*
cryopreservation 2666
restriction fragment length polymorphism 459
seed aging 1846
seed testing, viability 1099
seed treatment
Aspergillus flavus 1462
germination 262, 269-270
storage 259, 270
storage decay 1462
viability 259
vigour 259
seeds
germination 271
storage 271, 1847
viability 1847
Somalia 173
Swaziland 173
Taiwan 1740
Tanzania 173
taxonomy 49, 2349, 2351
USA 459, 498, 1969, 2010, 2351, 2792
wide hybridization 2910
Zea, genetic distance, isoenzymes 1993
Zimbabwe 173
Zea* × *Tripsacum, intergeneric hybridization 1410, 2158
Zelkova
Georgia 2575
in situ conservation 2575
nature reserves 2575
Zelkova sicula
new species 1659
Sicily 1659
Zimbabwe
Acacia karroo 2871
Acacia tortilis 2871
Citrullus lanatus 1321-1322
Colophospermum mopane 2871
Combretum apiculatum 2871, 2873
crops 173
millets 1826
Nicotiana 2865
Nicotiana tabacum 2865
Oryza sativa 173
Pennisetum glaucum 173
Phaseolus vulgaris 173
Sorghum bicolor 173, 1826, 2352
Vigna 173, 182
Vigna subterranea 173
Vigna unguiculata 173, 182
woodlands 2617
Zea mays 173
Zingiber officinale
evaluation 2131
landraces 2131
Nigeria 2131
quarantine, insect pests 2216
tissue culture, regeneration 441
USA 2216
Zizania palustris
seed treatment, germination 1851
seeds
desiccation 1100
imbibitional injury 1100
Ziziphus mauritiana, tissue culture, regeneration 379
Ziziphus nummularia, tissue culture, regeneration 379
Ziziphus sativa, micropropagation 1147
Ziziphus spinosus
ascorbic acid 1772
China 1772
surveys 1772
Zizyphus mauritiana, seed treatment, germination 308
Zollingeria borneensis
Sabah 1634
taxonomy 1634
Zostera marina
Netherlands 1102
seed dormancy 1102
Zoysia
ecology 59
in vitro culture, storage 1163
Japan 59
taxonomy 59
Zoysia japonica
distribution 59
Zoysia japonica *cont.*
ecotypes 997
genetic variation
germination 997
seeds 997
Japan 59, 997
tissue culture, regeneration 416
Zoysia koreana, tissue culture, regeneration 416

LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1993 for this journal. All the titles are given in full, except abbreviated titles taken from secondary publications such as *Referativnyi Zhurnal*.
Many other serials were scanned during 1993 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses.

Abhandlungen der Zoologisch-Botanischen Gesellschaft in Österreich
ACIAR Forestry Newsletter
ACIAR Technical Reports Series
Acta Agriculturæ Scandinavica. Section B, Soil and Plant Science
Acta Agriculturae Boreali-Sinica
Acta Agriculturae Shanghai
Acta Agriculturae Universitatis Pekinensis
Acta Agriculturae Zhejiangensis
Acta Agronomica Hungarica
Acta Agronomica Sinica
Acta Botanica Austro Sinica
Acta Botanica Croatica
Acta Botanica Indica
Acta Botanica Neerlandica
Acta Botanica Yunnanica
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Botanica
Acta Genetica Sinica
Acta Horticulturae
Acta Horticulturae Sinica
Acta Oecologica
Acta Tropica
Acta Universitatis Upsaliensis, Symbolae Botanicae Upsalienses
Advances in Agronomy
Advances in Horticultural Science
Advances in Plant Sciences
African Journal of Ecology
Agbiotech News and Information
Agricoltura Mediterranea
Agricultura, Revista Agropecuaria
Agricultural Reviews (Karnal)
Agricultural Systems
Agriculture & Resources Quarterly
Agriculture and Horticulture
Agriculture International
Agriculture, Ecosystems & Environment
AgriScience
Agro Food Industry Hi-Tech
Agro Sur
Agrochimica
Agroforestry Systems
Agronomía Colombiana
Agronômico
Agronomie
Agronomie Tropicale
Agronomy Journal
Aliso
Allgemeine Forst- und Jagdzeitung
Aloe
Ambio
American Fern Journal
American Journal of Botany
American Midland Naturalist
American Naturalist
American Orchid Society Bulletin
American Potato Journal
American Rhododendron Society Journal
Anadolu
Anales del Jardín Botánico de Madrid
Angewandte Botanik
Annales de Gembloux
Annali della Facoltà di Agraria, Università degli Studi di Perugia
Annals of Agricultural Science, Moshtohor
Annals of Applied Biology
Annals of Biology (Ludhiana)
Annals of Botany
Annals of the Missouri Botanical Garden
Annals of Tropical Medicine and Parasitology
Annual Review of Ecology and Systematics
Annual Review of Plant Physiology and Plant Molecular Biology
Applied Microbiology and Biotechnology
Applied Parasitology
Appropriate Technology
Aquaculture
Arab Gulf Journal of Scientific Research
Arboriculture Fruitière
Archiv für Phytopathologie und Pflanzenschutz
Arnoldia (Boston)
Arroz en las Américas
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Australian Journal of Agricultural Research
Australian Journal of Botany
Australian Journal of Ecology
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Journal of Soil and Water Conservation
Australian Plant Introduction Review
Australian Plants
Australian Systematic Botany
Bangladesh Journal of Agricultural Research
Barley Genetics Newsletter
Beiträge zur Biologie der Pflanzen
Berichte des Geobotanischen Institutes der Eidgenössischen Technischen Hochschule, Stiftung Rübel
Berita ISOPB
Bio/Technology
Biochemical Genetics
Biochemical Pharmacology
Biochemical Systematics and Ecology
Biochemistry and Cell Biology
Biológia (Bratislava)
Biological Conservation
Biological Journal of the Linnean Society
Biologisches Zentralblatt
Biology Bulletin of the Russian Academy of Sciences
Biology Education
BioScience
Biotech Forum Europe
Biotechnology and Development Monitor
Biotechnology Letters
Biotropia
Biotropica
Biovigyanam
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Blumea
Blyttia
Bois et Forêts des Tropiques
Bollettino Società Italiana di Biologia Sperimentale
Bosque
Botanic Gardens Micropropagation News
Botanica Acta
Botanica Helvetica
Botanical Bulletin of Academia Sinica
Botanical Gazette (Chicago)
Botanical Journal of the Linnean Society
Botanicheskiĭ Zhurnal
Botanikai Közlemények
Bothalia
Bragantia
Brazilian Journal of Medical and Biological Research
Brenesia
Brittonia
BSES Bulletin
Buletin Penelitian Pertanian Maros
Buletinul Academiei de Ştiinţe a Republicii Moldova. Ştiinţe Biologice şi Chimice
Bulletin des Recherches Agronomiques de Gembloux
Bulletin du Muséum National d'Histoire Naturelle. Section B, Adansonia
Bulletin of Botanical Research
Bulletin of Entomological Research
Bulletin of Faculty of Agriculture, University of Cairo
Bulletin of the Experiment Forests, Tokyo University of Agriculture and Technology
Bulletin of the Faculty of Agriculture, Miyazaki University
Bulletin of the Faculty of Agriculture, Saga University

Bulletin of the Forestry and Forest Products Research Institute, Ibaraki
Bulletin of the Kyushu National Agricultural Experiment Station
Bulletin of the Nara Agricultural Experiment Station
Bulletin of the National Grassland Research Institute
Bulletin of the National Institute of Agrobiological Resources
Bulletin of the Research Institute for Bioresources, Okayama University
Bulletin of the Torrey Botanical Club
Byulleten' Glavnogo Botanicheskogo Sada
Byulleten' Moskovskogo Obshchestva Ispytateleĭ Prirody, Biologicheskiĭ
Cactus and Succulent Journal
Cahiers Agricultures
California Agriculture
Canadian Biodiversity
Canadian Journal of Botany
Canadian Journal of Forest Research
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Capsicum Newsletter
Cassava Newsletter
Centerpoint (Taiwan)
Centralblatt für das Gesamte Forstwesen
Cereal Research Communications
Ceres (Rome)
Chemical and Pharmaceutical Bulletin
China Fruits
China's Fibre Crops
Chinese Journal of Rice Science
Chromatin
Ciencia e Cultura (São Paulo)
CIP Circular
CIP Research Guide
Climatic Change
CMU Journal of Science
Colture Protette
Combined Proceedings - International Plant Propagators' Society
Commonwealth Forestry Review
Comptes Rendus de l'Académie Bulgare des Sciences
Comptes Rendus de l'Académie d'Agriculture de France
Comptes Rendus de l'Académie des Sciences. Series 3, Sciences de la Vie
Computers and Electronics in Agriculture
Comunicado Técnico Especial - Comissão Executiva do Plano da Lavoura Cacaueira, COPES
Conservation Biology
Contribuţii Botanice, Universitatea Cluj-Napoca, Grădina Botanică
Coton et Fibres Tropicales
Crop Genetic Resources
Crop Improvement
Crop Protection
Crop Research (Hisar)
Crop Science
Cryobiology
Culture & Agriculture
Current Research - University of Agricultural Sciences (Bangalore)
Current Science
Cyro-Letters
Cytologia
Darwiniana
Dinteria
Dissertation Abstracts International. B, Sciences and Engineering
Diversity
Doğa, Türk Botanik Dergisi
Doğa, Türk Tarım ve Ormancılık Dergisi
Doklady Akademii Nauk BSSR
Doklady Vsesoyuznoĭ Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaĭstvennykh Nauk im. V.I. Lenina
Doklady, Biological Sciences
Ecological Economics
Ecology
Economic Botany
Économie Rurale
Ecotoxicology and Environmental Safety
Edinburgh Journal of Botany
Egyptian Journal of Bilharziasis
Entwicklung + Ländlicher Raum
Environment and Ecology
Environmental Management
Ernstia
Euphytica
Evolution
Evolutionary Biology
Evolutionary Trends in Plants
Experimental Agriculture
Fagopyrum
FAO Legislative Study
FAO Plant Production and Protection Paper
FAO Plant Protection Bulletin
Feddes Repertorium
Feldwirtschaft
Field Crops Research
Fieldiana, Botany
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Flora (Jena)
Flora Mediterranea
Flora Neotropica
Florida Entomologist
Folia Geobotanica et Phytotaxonomica
Folia Musei Rerum Naturalium Bohemiae Occidentalis, Botanica
Forest Ecology and Management
Forest Genetic Resources Information
Forestry (Oxford)
Forests, Trees and People Newsletter
Forêt Méditerranéenne
Forstwissenschaftliches Centralblatt
Forum for Development Studies
Fourrages
Fragmenta Floristica et Geobotanica
Fruit Varieties Journal
Functional Ecology
Gansu Nongye Daxue Xuebao
Gartenbauwissenschaft
Genetic Resources and Crop Evolution
Genetica Polonica
Genetics
Genetika (Moskva)
Genetika a Šlechtění
Genetika i Selektsiya
Genome
Geographische Rundschau
GFG-Report - German Forestry Group, Mulawarman University
Global Ecology and Biogeography Letters
Grana
Grassland of China
Great Basin Naturalist
Groundnut News
Harvest (Port Moresby)
Hawaiian Planters' Record
Helia
Herba
Herba Hungarica
Hereditas (Landskrona)
Heredity
HGCA Project Report
Hindustan Antibiotics Bulletin
Holly Society Journal
Holzzucht
HortScience
HortTechnology
Human Ecology (New York)
IAWA Bulletin
IBPGR Newsletter for Asia and the Pacific
IBPGR Newsletter for Asia, the Pacific and Oceania
Illinois Research
Impact of Science on Society
Indian Agriculturist
Indian Farming
Indian Forester
Indian Horticulture
Indian Journal of Agricultural Marketing
Indian Journal of Agricultural Sciences
Indian Journal of Entomology
Indian Journal of Experimental Biology
Indian Journal of Genetics & Plant Breeding
Indian Journal of Horticulture
Indian Journal of Mycology and Plant Pathology
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Phytopathology
Indonesian Journal of Crop Science
Industrial Crops Research Journal
Insect Science and its Application
Interciencia
International Biodeterioration
International Chickpea Newsletter
International Journal of Crude Drug Research
International Journal of Pharmacognosy
International Journal of Plant Sciences
International Journal of Remote Sensing
International Journal of Tropical Agriculture
International Pigeonpea Newsletter
International Rice Research Newsletter
Israel Journal of Botany
Issues in Agriculture
Italia Forestale e Montana
Izvestiya Akademii Nauk SSSR. Seriya Biologicheskaya
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR. Seriya Biologicheskikh Nauk
Izvestiya Timiryazevskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Japanese Journal of Breeding
Japanese Journal of Genetics
Japanese Journal of Tropical Agriculture
Jiangsu Journal of Agricultural Sciences

Journal - American Society of Sugar Cane Technologists
Journal of Agricultural Science
Journal of Agriculture and Forestry
Journal of Applied Ecology
Journal of Arid Environments
Journal of Chromatography
Journal of Development Economics
Journal of Ecology (Oxford)
Journal of Economic Entomology
Journal of Essential Oil Research
Journal of Ethnopharmacology
Journal of Experimental Botany
Journal of Forestry
Journal of Fruit Science
Journal of Genetics & Breeding
Journal of Herbs, Spices & Medicinal Plants
Journal of Heredity
Journal of Horticultural Science
Journal of Huazhong Agricultural University
Journal of Insect Science
Journal of Japanese Botany
Journal of Jilin Agricultural University
Journal of Law and Economics
Journal of Maharashtra Agricultural Universities
Journal of Natural Products
Journal of Nematology
Journal of Oilseeds Research
Journal of Plant Growth Regulation
Journal of Plant Physiology
Journal of Plant Resources and Environment
Journal of Range Management
Journal of Research APAU
Journal of Seed Technology
Journal of Shanghai Agricultural College
Journal of Shenyang Agricultural University
Journal of Sichuan Agricultural University
Journal of Small Fruit & Viticulture
Journal of South China Agricultural University
Journal of Southwest Agricultural University
Journal of Sustainable Forestry
Journal of Tea Science
Journal of the Adelaide Botanic Gardens
Journal of the Agricultural Society - University of Wales
Journal of the American Society for Horticultural Science
Journal of the Andaman Science Association
Journal of the Bombay Natural History Society
Journal of the East Africa Natural History Society and National Museum
Journal of the Entomological Society of Southern Africa
Journal of the Faculty of Agriculture, Hokkaido University
Journal of the Faculty of Agriculture, Shinshu University
Journal of the Grassland Society of Southern Africa
Journal of the Indian Society for Cotton Improvement
Journal of the Japanese Society for Horticultural Science
Journal of the Korean Society for Horticultural Science
Journal of the Pakistan Medical Association
Journal of the Science of Food and Agriculture
Journal of the Southern African Society for Horticultural Sciences
Journal of Tropical Forest Science
Journal of Vegetation Science
Journal of World Forest Resource Management
Jugoslovensko Voćarstvo
Kaen Kaset = Khon Kaen Agriculture Journal
Karnataka Journal of Agricultural Sciences
Kevo Notes
Kew Bulletin
Kew Magazine
Korean Journal of Plant Taxonomy
Kromosomo II
Landscape and Urban Planning
Landwirtschaft Schweiz
Lazaroa
Lebensmittel-Wissenschaft & Technologie
Legume Research
Lindleyana
Linzer Biologische Beiträge
Madras Agricultural Journal
Madroño
Magnolia
Maize Genetics Cooperation Newsletter
Malayan Nature Journal
Malaysian Applied Biology
Maydica
Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent
Memoirs of Faculty of Agriculture, Kagawa University
Memoirs of the College of Agriculture, National Taiwan University
Memoirs of the Faculty of Agriculture, Hokkaido University
Memoirs of the Faculty of Agriculture, Kagoshima University
Memoirs of the New York Botanical Garden
Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
Mikologiya i Fitopatologiya
Mitteilungen aus dem Institut für Allgemeine Botanik Hamburg
Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem
Mitteilungen der Botanischen Staatssammlung München
Mitteilungen der Forstlichen Versuchs- und Forschungsanstalt Baden-Württemberg
Mitteilungen Klosterneuburg, Rebe und Wein, Obstbau und Früchteverwertung
Molecular and General Genetics
Molecular Biology and Evolution
Mountain Research and Development
National Academy Science Letters
National Bank News Review (India)
Nature (London)
Nature and Environment Series
Nature and Resources
Nematologica
Network Paper - Agricultural Administration (Research and Extension) Network
New Agriculturist
New Forests
New Phytologist
New Zealand Forestry
New Zealand Journal of Agricultural Research
New Zealand Journal of Botany
New Zealand Journal of Crop and Horticultural Science
Newsletter - Sugarcane Breeding Institute
Ningxia Journal of Agro-Forestry Sciences and Technology
Nippon Sochi Gakkaishi = Journal of Japanese Society of Grassland Science
Nordic Journal of Botany
North Carolina Journal of International Law and Commercial Regulation
Norwegian Journal of Agricultural Sciences
Növénytermelés
Novon
Nucleic Acids Research
Nucleus (Calcutta)
Nuytsia
Occasional Paper - National Horticultural Research Institute, Ibadan
Oecologia
Oikos
Oil Crops of China
Oléagineux (Paris)
Opera Botanica
Orchardist of New Zealand
Ormancılık Araştırma Enstitüsü Yayınları, Teknik Bülten
Oryx
Outlook on Agriculture
Pacific Science
Paper - American Society of Agricultural Engineers
Partners in Research for Development
Pasturas Tropicales
Peanut Science
Pesquisa Agropecuária Brasileira
Pesquisa em Andamento - Centro de Pesquisa Agropecuária do Trópico Úmido
Pesticide Biochemistry and Physiology
Petria
Philippine Agriculturist
Physiologia Plantarum
Phytochemistry
Phytocoenologia
Phyton (Buenos Aires)
Phytoparasitica
Phytopathology
Phytotherapy Research
PKV Research Journal
Plant and Soil
Plant Breeding
Plant Breeding Abstracts
Plant Breeding News Letter
Plant Cell Incompatibility Newsletter
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Genetic Resources Abstracts
Plant Genetic Resources Newsletter
Plant Growth Regulation
Plant Journal
Plant Molecular Biology
Plant Physiology
Plant Physiology and Biochemistry (Paris)
Plant Protection
Plant Protection Bulletin (Faridabad)
Plant Science (Limerick)
Plant Science Bulletin
Plant Systematics and Evolution
Plant Varieties & Seeds
Plant Varieties Journal

Planta Medica
Plantsman
Postharvest Biology and Technology
Postharvest News and Information
Potato Research
Pratacultural Science
Preslia
Probe. Newsletter of the USDA Plant Genome Research Program
Problems of Desert Development
Proceedings - Soil and Crop Science Society of Florida
Proceedings of the Association for Plant Protection of Kyushu
Proceedings of the Indian Academy of Sciences, Plant Sciences
Proceedings of the Indian National Science Academy. Part B, Biological Sciences
Proceedings of the National Academy of Sciences of the United States of America
Proceedings of the National Science Council, Republic of China. Part B, Life Sciences
Proceedings of the Royal Society of Edinburgh. Section B, Biological Sciences
Professional Horticulture
Progress in Botany
Prophyta
QA, Questione Agraria
Quarterly Journal of Forestry
Rachis
Range Management & Agroforestry
Rangelands
Recent Researches in Ecology, Environment and Pollution
Report - Cucurbit Genetics Cooperative
Report of the Taiwan Sugar Research Institute
Research & Training Newsletter (Dar es Salaam)
Research and Development Reporter
Research Bulletin - International Crops Research Institute for the Semi-Arid Tropics
Research Bulletin of Obihiro University, Natural Science
Research Bulletin of the Hokkaido National Agricultural Experiment Station
Research Highlights - Tropical Agriculture Research Center
Research Paper - Intermountain Research Station, USDA Forest Service
Research Reports of the Rural Development Administration, Horticulture
Research Reports of the Rural Development Administration, Rice
Research Reports of the Rural Development Administration, Upland & Industrial Crops
Resources (Washington)
Review of Palaeobotany and Palynology
Revista Brasileira de Genética
Revista Brasileira de Sementes
Revista da Sociedade Brasileira de Zootecnia
Revista de la Facultad de Agronomia, Universidad del Zulia
Revista Nacional de Agricultura (Bogotá)
Revue d'Élevage et de Médecine Vétérinaire de Nouvelle Calédonie
Revue d'Élevage et de Médecine Vétérinaire des Pays Tropicaux
Revue Roumaine de Biologie. Série de Biologie Végétale
Rhodora
Rivista di Frutticoltura e di Ortofloricoltura
Rostlinná Výroba
Ruiza
Rural Research
Sahel PV Info
Sakharnaya Svekla
Sakharnaya Svekla: Proizvodstvo i Pererabotka
Sandakania
Sarhad Journal of Agriculture
Sborník Vysoké Školy Zemědělské v Praze, Fakulta Agronomická. Řada A, Rostlinná Výroba
School of Agricultural and Forest Sciences Publication, University of Wales
Schriften des Forschungsinstitutes für Schnellwachsende Baumarten
Schweizerische Zeitschrift für Obst- und Weinbau
Science (Washington)
Science and Public Affairs (London)
Science in China. Series B, Chemistry, Life Sciences & Earth Sciences
Science of Sericulture
Scientia Agricultura Sinica
Scientia Horticulturae
Scientific Reports of the Faculty of Agriculture, Okayama University
Scientific Studies - OSEVA Research Institute for Fodder Plants, OSEVA Breeding Institute for Fodder Plants
Scottish Forestry
Seed and Plant
Seed Science and Technology
Seed Science Research
Sel'skokhozyaĭstvennaya Biologiya
Selektsiya i Semenovodstvo (Moskva)
Sementi Elette
Serie Técnica: Informe Técnico - Centro Agronómico Tropical de Investigación y Enseñanza
Sexual Plant Reproduction
Sibirskiĭ Biolocheskiĭ Zhurnal
Silvae Genetica
Simiente
Sjemenarstvo
Society & Natural Resources
Soil Science and Plant Nutrition
Soobshcheniya Akademii Nauk Gruzinskoĭ SSR
Sorghum Newsletter
South African Forestry Journal
South African Journal of Botany
South African Journal of Plant and Soil
South Indian Horticulture
Southwest China Journal of Agricultural Sciences
Soviet Agricultural Sciences
Soviet Biotechnology
Soviet Journal of Ecology
Soviet Plant Physiology
Soybean Genetics Newsletter
Soybean Science
Sri Lanka Journal of Tea Science
Studii şi Cercetări de Biologie, Biologie Vegetală
Sugar Cane
Sveriges Utsädesförenings Tidskrift
Systematic Botany
Taiwania
TARC Newsletter - Tropical Agriculture Research Center
Taxon
Technical Bulletin - Cyprus Agricultural Research Institute
Technical Bulletin - Mississippi Agricultural and Forestry Experiment Station
Technical Bulletin - United States Department of Agriculture
Technical Bulletin of the Tropical Agriculture Research Center
Technical Communication - Department of Agricultural Development, South Africa
Technical Document - Asia and Pacific Plant Protection Commission
Technical Papers - OECD Development Centre
Telopea
Thai Forest Bulletin (Botany)
Thaiszia
Theoretical and Applied Genetics
Transactions of the ASAE
Transactions of the Royal Society of Tropical Medicine and Hygiene
Tree Physiology
Trees and Natural Resources
Trees: Structure and Function
Trends in Biotechnology
Trends in Ecology & Evolution
Trends in Genetics
Tropical Agriculture
Tropical Grasslands
Tropical Pest Management
Tropical Science
Tsitologiya i Genetika
Tuexenia
Ukraïns'kiĭ Botanīchniĭ Zhurnal
Unasylva
USSR Patent
Vedecké Práce Výskumného Ústavu Lúk a Pasienkov v Banskej Bystrici
Vegetatio
Verhandlungen der Zoologisch-Botanischen Gesellschaft in Osterreich
Veröffentlichungen des Geobotanischen Institutes der ETH, Stiftung Rübel, Zürich
Vestnik Sel'skokhozyaĭstvennoĭ Nauki (Moskva)
Vitis
Wageningen Agricultural University Papers
Watsonia
Webbia
Weed Science
Wheat Information Service
Wildflower
Willdenowia
Wissenschaftliche Zeitschrift der Humboldt-Universität zu Berlin. Reihe Geistes- und Sozialwissenschaften
Wool Technology and Sheep Breeding
Working Document - Centro Internacional de Agricultura Tropical
Working Paper - Indian Institute of Management, Ahmedabad
World Bank Environment Paper
World Development (Oxford)
World Farmers' Times
Zashchita Rasteniĭ (Moskva)
Zaštita Bilja
Zeitschrift für Naturforschung. Section C, Biosciences

INFORMATION SERVICES AND PUBLICATIONS

Almost 100 scientists/linguists in CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 12,000 serials and many other publications are scanned, and about 150,000 bibliographic records are compiled each year. From this computerized database, known as CAB ABSTRACTS, is derived a wide range of information services and products in printed and electronic form, designed to meet a variety of customer needs.

JOURNALS

Animal Science and Production
Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts and Reviews, Series B–Livestock Feeds and Feeding; Pig News and Information; Poultry Abstracts; Meat Focus International.

Veterinary Science and Parasitic Diseases
Helminthological Abstracts; Index Veterinarius; Protozoological Abstracts; Review of Medical and Veterinary Entomology; Review of Medical and Veterinary Mycology; Veterinary Bulletin.

Crop Science and Production
Crop Physiology Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation and Drainage Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Genetic Resources Abstracts; Plant Growth Regulator Abstracts; Postharvest News and Information; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils and Fertilizers; Sorghum and Millets Abstracts; Soyabean Abstracts; Sugar Industry Abstracts; Wheat, Barley and Triticale Abstracts.

Forestry
Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection
Biocontrol News and Information; Nematological Abstracts; Review of Agricultural Entomology; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology
Leisure, Recreation and Tourism Abstracts; Rural Development Abstracts; World Agricultural Economics and Rural Sociology Abstracts.

Machinery and Buildings
Agricultural Engineering Abstracts.

Human Nutrition
Nutrition Abstracts and Reviews, Series A–Human and Experimental.

Biotechnology/Biodeterioration
AgBiotech News and Information; Biodeterioration Abstracts; IMPACT AgBioIndustry.

ELECTRONIC JOURNALS

For subscribers who prefer to receive their regular CABI Abstract Journals in computerized format, Electronic Journals are available in comma–delimited, ISO2709 or Pro–Cite compatible format. The diskettes (either 3½" or 5¼") are supplied without retrieval software but in standard format so they can be easily used with most commercial database management software. Sample diskettes are available on request.

CD–ROMs

The database is also available on CD–ROM (Compact Disc Read Only Memory). CD–ROM technology provides an online search capability without the worries of cost or telecommunication problems. An IBM or fully IBM–compatible PC, 640K RAM, MS–DOS or PC–DOS version 3.1 or higher, and a CD–ROM player are needed. User–friendly software allows maximum search flexibility. A Macintosh version is available. CD–ROM titles available are: CABCD (CAB ABSTRACTS on CD–ROM), VETCD (veterinary science and animal health), BEASTCD (animal production and dairy technology), TREECD (forestry and forest industry), CABPESTCD (crop protection), HORTCD (horti–culture), SOILCD (soil and water sciences), Human Nutrition on CD – ROM (human nutrition) and PolTox III:CAB (pollution and toxicology).

MAGNETIC TAPES

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

SDI SERVICE

SDI (Selective Dissemination of Information) is a current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their choice, either in print or on floppy disks suitable for most microcomputers. Airmail ensures fast delivery.

CAB ALERTS

This is a monthly SDI service providing subscribers with the search results from standard profiles chosen by CABI. Numerous titles are available. Output is available in print or on floppy disk by airmail.

DOCUMENT DELIVERY SERVICE

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALORDER, DIMDI or PRIMORDIAL.

BOOKS AND SERIAL PUBLICATIONS

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research, Outlook on Agriculture, Seed Science Research, Index of Current Research on Pigs, Distribution Maps of Pests, Distribution Maps of Plant Diseases, Bibliography of Systematic Mycology, Descriptions of Pathogenic Fungi & Bacteria, Index of Fungi,* and *Systema Ascomycetum*. CABI is a co–sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts.*
For further information, contact:

Headquarters
CAB International
Wallingford, Oxon OX10 8DE, UK
Telephone: (0491) 32111
Telex: 847964 (COMAGG G)
Fax: (0491) 33508
or
North America
CAB International
845 North Park Avenue
Tucson, Arizona 85719, USA
Tel: 800/528–4841 or 602/621–7897
Fax: 602/621–3816
or
Asia
CAB International
PO Box 11872
50760 Kuala Lumpur, Malaysia
Tel: (03) 255 2922
Telex: 28031 (MA CABI) Fax: (03) 255 1888
or
Caribbean and Latin America
CAB International
Gordon Street, Curepe,
Trinidad and Tobago
Tel: 809 662 4173
Telex: 24438 CARIRI
Fax: 809 663 2859

IF
BSM

Printed by Cambrian Printers, Aberystwyth

C·A·B INTERNATIONAL
Wallingford, Oxon OX10 8DE, UK
Telephone: (0491) 32111 Telecom Gold/Dialcom: 84: CAU001
Telex: 847964 (COMAGG G) Fax: (0491) 33508

Director General: D.R. Laing BAgrSci, PhD.
Director, Information Services: C.P. Ogbourne BSc, PhD
Director, Scientific Services: R.J. Williams BSc, PhD
Director, Information Technology: J.H. Gilmore BSc, MACS
Director, Administrative Services: T. Martin FCA

The Organization
CAB International (CABI) is an international, inter-governmental organization. It is owned by its member governments; these currently number 34, but membership is open to any others wishing to participate. Established in 1928, the organization provides information, scientific and development services for agriculture and allied disciplines throughout the world.

Information Services
The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database (CAB ABSTRACTS) of research on agriculture, forestry, the environment, applied social sciences and aspects of human medicine.

Relevant scientific and technical literature is acquired worldwide for abstracting and indexing by almost 100 scientists/linguists in five divisions:

Animal Health & Medical Parasitology
Animal Production & Human Nutrition
Crop Protection & Genetics
Crop Production
Natural Resources, Forestry & Economics

Further material is acquired and processed by collaborating or contracted organizations.

Abstract journals and electronic products derived from the database, and online access to it, provide unique sources of information for research scientists, development planners, educators and students.

The Information Services also publish primary journals and books, and offer training for information professionals, especially from developing countries.

Scientific Services
CABI's Scientific Services consist of four institutes and Library Services:

International Institute of Entomology
Acting Director, Prof. T. Jones, located at 56 Queen's Gate, London, and in the Natural History Museum.

International Mycological Institute
Director, Professor D.L. Hawksworth, located at Bakeham Lane, Egham, Surrey, TW20 9TY.

International Institute of Parasitology
Director, Dr R. Muller, located at Winches Farm, St Albans, Herts, AL4 0XU.

International Institute of Biological Control ,
Director, Dr J.K. Waage, has its headquarters at Silwood Park, Ascot and stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia.

These Institutes provide an authoritative identification service for agricultural pests and other organisms, a biocontrol service, and conduct research, implement projects, and provide training in their fields of expertise.

Library Services
Manager, Mr C.J. Hamilton, have headquarters at Silwood Park, and operate document delivery and translation services.

Marketing and Development Services
MDS is responsible for the marketing of all CABI products and services, and for its development and training services. An important aspect is the establishment of effective partnerships with relevant development assistance agencies aimed at increasing the delivery of CABI services to developing countries.

Information Technology Services
ITS provide computing resources and services to all parts of CABI. A central computing facility is maintained with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The staff include database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CAB ABSTRACTS database and associated functions, plus accessions control, subscription management and electronic publishing.

Copyright
© 1993 CAB INTERNATIONAL All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, mechanical, electronic, by photocopying, recording or otherwise, without the prior written permission of CAB INTERNATIONAL.